# A Complete Bibliography of Publications in *International Journal of Science and Mathematics Education*

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11 September 2024
Version 1.57

## Title word cross-reference

+1 [Mas15]. 3 [CC18, DA20a, DA20b, NF20, SLW10]. $^{th}$ [ES24]. $n$ [BHWM20]. $Q$ [Gao20].

**-D** [SLW10]. **-Sorting** [Gao20]. **-th** [BHWM20].

**1** [SYOL07]. **11th** [ES09, FT05]. **11th-graders** [ES09]. **12** [LFM+19, MHIS09, OBH17, VHM22]. **15** [LGS18a, LGS18b]. **15-year-old** [MR14]. **15/16** [DAM19]. **15/16-Year-Old** [DAM19]. **16-Year-Old** [DAM19]. **19** [CMM23, DF22, FLP23, KGM24].

**2003** [WOB12, ZL12]. **2006** [CBDV10, GCS10, KV10, LS14]. **2007** [Che14]. **2008** [DRT+12]. **2011** [GPC23]. **2012** [HCBS18b, TH19]. **2015** [HCBS18a].

**21st** [CYLL23, SD22]. **21st-Century** [CYLL23, SD22]. **280** [VT07a].

**3-** [PEK+23]. **3-Year** [HNMGA16, BW10]. **3D** [CMK+24].

**4** [HL07]. **415** [HL07].

**5** [MF05, VT07a, YKJ20]. **522** [SYOL07]. **5e** [GDSD10, JH24]. **5th** [Saf18, YnLL08]. **5th-Graders** [Saf18].

**6** [SWA+12].

**7-Year-Old** [PEK+23]. **7th** [CA21, DE15].

**8** [CGTQ21]. **8th** [JLCT12, NCH11].

**Abacus** [RXLC16]. **Abbreviated** [MB21]. **Abilities** [Ari19, BB17, DJB15, GC19, Güv09, LLP19, NPP16, PL19a, SR21, WWTC10, Yük14]. **Ability** [CMK+24, DNV17, DGEP16, DB17, HP21, LL21b, LLC+16, LC23, SLK20, SKS+23, AB13, CVCV11, DMNH11, KKvdW15, LM10, Ozd10]. **able** [BNH+15, OHLC23]. **Abstract** [YLTO21, ZYJ22]. **Academic** [CA21, DHTA+24a, DHTA+24b, GHS+18, LLW+20, LM21, NOVRR22, SCB16, SS19, TLT21]. **Academies** [Saw19]. **accelerate** [VR12]. **accelerated** [EVV11]. **Acceleration** [FTWC18]. **acceptance** [GGD15b]. **Access** [LK24]. **accomplishment** [RB13]. **Accomplishments** [KBK+22]. **Account** [EKC+21]. **Accounts** [vV16]. **Accuracy** [RMR22, BZST10, LLWS13]. **Accurately** [Lin16a]. **Achievement** [BCO22, CCW16, CA21, CL20, DÇÖK23, DHTA+24a, DHTA+24b, FCS15, FT05, FTWC18, GDFVCM24, GHL22, HP24, HHT+20, HLT18, HCH23, IA08, KK22b, KH15, KFM+17, Len06, Lin17, LLHC23, LLN+21, NOVRR22, Ng10, NA24, RV17, Sch14, SLZ20, SK17, SP05, SS19, TH19, TLR21, VC23, WT18, YnLL08, YSHC23, YCH04, ZBB22, Are12, AK13, AT15, BHMO14, CK14, Che14, Cro09, Ebr12, FH13, GCS10, GN08, HCC15, HGK11, HNB11, Ing14, LHL+09, MP10, PV14, Pet13, RR16, RR11, RR09, Rut11, SWA+12, Tig14, VR12, WOB12, WT15, ZC15, ZL11, ZL12]. **Achievements** [PSO17]. **Achiever** [CHC16, KTC19]. **achievers** [HCC15]. **Achieving** [WL18, ARZRV16, Als12, BMN16, EK09]. **acid** [KYA13a, ÖDC09, RCT+11]. **acid-base** [ÖDC09]. **Acidification** [BPMK24]. **Acids** [FT05, ODTS07, JLCT12]. **Acknowledgements** [YPT07a]. **Acquisition** [UE19, BVDV13, Kön13]. **Across** [GPC23, HLT18, KL23a, KLR23, LFM+19, MRLM21, RTC22, RBT20, SGHM15, SGHM16, SWAEKS19, VCSW20, VC23, Chi12a, Lee18, MAL+11, SB09, ZB13]. **act** [CDT+11]. **Action** [AK17b, BV24, KD22, OHLC23, WAL23, WAL24, FD12, Hal12, MNE12]. **Actions** [HMHG20, HCH23, LNP+18, LAN20, SMZ06, CDT+11]. **Active** [MSS22, NHLS08, SJL20]. **Activities**

[ABPV20, BÖL23, CCAG22, DIBS22, GCCCG18, LE06, LLP19, NA24, SZCL18, UD18, YE23, AAY15, DS15, EDMA15, MMZ09]. **Activity** [GC21, PPB18, Saf18, SB21, SAK24, TPS21, Wil20b, AE15, AE16, ÇAC09, CBT+12, EE11, Fer14, HL13, WLSL14, Yük14]. **activity-based** [Yük14]. **actor** [RVG15]. **actor-oriented** [RVG15]. **Adaptation** [MB21, RBT20]. **adapted** [CCWL15]. **Adapting** [CBT+12]. **Adaptive** [Own06, Own10, SIA23]. **Addition** [DGEP16, HMM22, RH23]. **Additive** [KWMW22, Pro24]. **Addressing** [ELRW20, SC21, AC15, RCG+11]. **adequacy** [Per20]. **adjunct** [MMM11]. **Admissions** [GS16]. **Adolescent** [FGD22, SAPM22, Are12, LY10]. **Adolescents** [SLL+20, Ho10, MDT13, WLSL14]. **Adoption** [WHH08]. **Adult** [DJE17, TH18]. **Adults** [DD23]. **Advance** [CCCN17, GN08]. **Advanced** [AN18, YMZ22, Ped15]. **Advancing** [Eng17]. **Advertising** [BE16]. **Advocacy** [VHM22]. **Advocators** [KKE+17]. **Affect** [MNBZH+05, MCF23, TLHV16a, TLHV16b, MMM11]. **Affecting** [RS24, WHH08]. **Affective** [DH18, Las13, THV+15]. **affects** [HCC15]. **affiliations** [KB16b]. **affine** [DVV15]. **afford** [EFL+13]. **Affordances** [LLN+21, PUR18, CP12]. **Africa** [BLS20, Kaz14]. **African** [Dud17, RR16, Ram24, SE22, VA21]. **After** [BBT17, CCAG22, HC16a, Gok15, SYOL05, SYOL07, VT07a, VT07b]. **Again** [Mer07]. **against** [Tsa06]. **Age** [KH15, PEK+23, YYC04, ÇTC14]. **Aged** [FMOMG16, RMR22]. **Agency** [Kim22]. **Agenda** [MC04]. **Agent** [MTMKR23]. **agents** [OL14]. **AgLIT** [VB20]. **Agricultural** [VB20]. **Agriculture** [YY13]. **Aided** [ÇP17]. **Aiding** [ELRW20]. **aimed** [Rut11]. **Aiming** [TPS21]. **Aims** [BLS20]. **Albanian** [ETG16]. **Algebra** [DP07, El 23, HSH22, LM21, LK18a, PT23, PCM22, Son22, AV06, AE15, CPMSW11, LM21]. **Algebraic** [AGBC17, Ala16, HM22, MRDCC17, OÇ08, PP19, PPCC20, Pit23, TMVC24, TT23, AE15, EE11, EGP+09, JW15, LH14, Ped15]. **Algorithmic** [HP21]. **Algorithms** [LF17, LS21, Leh22]. **Align** [OGY24]. **Aligning** [HNMGA16]. **Alignment** [DNWC18]. **aloud** [Kot10]. **Alternative** [AOZ09, CLY10, Liu05, SMG+19, SAA18, Wan07, YYC04, BAV+11, Oh14, WCY16]. **Always** [SRSD23, TMVC24]. **America** [MJ18]. **American** [NRKR13]. **Americas*** [MRA10]. **Among** [BFH19, Din18, ES09, Get23, HLT22, HCH16, Kot16, LZL+18, LS23, Ron20, SW23, SCC23, VHM22, WwLD+15, BL09, Ble09, BVDV13, CTT+11, CMM23, ES04, FCS15, GHL22, Ho10, HCBZ03, IA08, LLN+21, Pet13, SP05, TLT21, Tig14, UM18, VCSA+23, YWF20, Zei15]. **amongst** [DAO+11]. **Ampère** [Maj14]. **Amphibians** [YYC04]. **Analogies** [GC21]. **Analogy** [HbK19, ÇAC09]. **Analysed** [EGJ09]. **Analysing** [WFWK23]. **Analysis** [AC20, AC15, AM04, BG22, CJ17, CD23, CRR09, FB19, Fun21, GGBW23, GHP07, HZBC24, HGSL18, KL18a, KŠČ20, KB17, KK22b, LFM+19, MA21, NY11, NPT17, NP23, NLW16, OHMW21, PSO17, PC13, PFFG+18, RBT20, SB17, SZCL18, TS20, TWC+16, Tay18, Tur22, UD18, WO19, ZBL+16,

ZPW+24, ZP06, AK13, Bag11, BHS15, BHSC10, GDSD10, HYC+16, Kot10, KV10, Mel10, MMV16, OO15, PBDE23, Pet13, RK10, VAF12]. **analytic** [LLL15, Rut11]. **Analytical** [GPR+18]. **Analyzing** [Ama20, AAY15, BFE15, HHH+23, KGM24, WWM+24, AW12, KHL12, LH15]. **anatomy** [MIJJ15]. **Ancient** [Len06, Ng10]. **and/or** [HILAT16]. **Angle** [LK22]. **Animal** [YYC04]. **animation** [RT10]. **Answer** [DD23]. **Answers** [FB19, AR10]. **Anthropological** [KŠČ20]. **Antiderivative** [PFFG+18]. **Anxiety** [AVT16, GDFVCM24, MB21, RM24, SK17]. **Apartheid** [WM17]. **Appear** [FI19]. **Appearances** [SLZ20]. **Appears** [KL23b]. **Application** [CCAG22, İİED+23, Jon19, KP18, LF17, Lin04, Own06, Own10, And14, CA14, LH16, LLL15, VRW05]. **Applied** [PSB19]. **Apply** [DIRTBP24, SS18, SBM12]. **Applying** [KWMW22]. **appraisal** [BK13a]. **Appraisals** [MSdSGG17]. **Apprehension** [GAMDV22, GAMDV24]. **Apprenticeship** [Sas19]. **Approach** [BCV21, CFC22, DÇÖK23, Gus24, HM22, JSH+19, KK22a, KWO07, MH17, MNBZH+05, PCM22, RM24, SR21, SBR22, ST05, XFT21, Yam18, YLTO21, ZBB22, CWW11, CY14, CKH15, HP11, IK14, KTBG15, NCH11, NEAC10, NDD14, Owe14, PYR+12, RCG+11, SW14, Tan11, TC09, THV+15]. **Approaches** [ÇP17, Chi09, DNWC18, EK09, KBH+15, LL23, Ron18, Shi18, TDE18, YUG24, EGP+09]. **Appropriate** [Gub16, SBM12]. **Appropriation** [NK04, ODTS07]. **Aptitude** [CGTQ21]. **Arab** [PZA16, SHM21]. **Arabia** [Alg20, KA19]. **ARCS** [FT05]. **Area** [Hua17, LL21b, SA16, Pap10]. **Areas** [ELCG24, KL23b]. **Arena** [XFH23, YAC10]. **Argument** [CWLH19, DÇÖK23, JYC21, Pet22, YY13, CKH15]. **Argument-Based** [DÇÖK23, CKH15]. **Argument-Driven** [CWLH19, Pet22]. **Argumentation** [ARdMB23, APCK12, AO16, CWLH19, CYT16, CGR17, CO22, DIBS22, DA20a, DA20b, EkB19, HK21, HNMGA16, JHWW16, Khi23, KVB22, KGM24, LL05, TSP16, VVR24, Yam18, YY13, Cro09, LM10, Lin14b, Lin16b, OBE12, Oh14]. **Argumentative** [Yam18, AE16]. **Arguments** [DB17, KAK22, AC15]. **arises** [LY13]. **Arithmetic** [PT23, Pit23, RXLC16, RVTV20, TMVC24, AM14a, Voy11]. **Arithmetical** [Gub16, Mas15]. **Arrhenius** [ODTS07]. **Arrows** [GY19]. **art** [HEB11]. **Articulating** [Koh19]. **Artifacts** [SP21b]. **Arts** [SLK20]. **Asia** [BSD13]. **Asian** [So16, WL21, WKL23, ZL11, ZK20]. **asking** [DMNH11]. **Aspects** [GAMDV22, GAMDV24, JWR20, LK22, NHLS08]. **Aspiration** [Ng20]. **Aspirations** [HGSL18, KST+23, DAO+11, MR14, SC11]. **Assemblages** [LK22]. **Assess** [İİED+23, MSH10, OEMZ12]. **Assesses** [PCL18]. **Assessing** [AO16, BSA+14, BB17, BSD13, BG22, DHB19, ES16, GYU24, Jaf20, JSP15, KL23a, Lep12, SLC17, YL18, YWC+18, AW12, GGSP10, WCT+12]. **Assessment** [ALT+07, AK20, AEP22, CY21, CPF24, CGR17, DJB15, EA19, Fos22, GPC23, GPCB15, HMM22, IV24, KHNV20, KBK+22, jK19, KK22b, LL06, MSGGVZDF20, MMA05, NOVRR22, PP08, PB19, SV22, SAA18, SLZ20, SMSBZ23, TMS22, WC16, ZVV18, CCN+12, Chi12b, CMME15, CJOC11, GDSD10, KBY11, Lin06, RB13, Şah10, WHA14]. **Assessments**

[BRA+20, CC05, Fos22, KBH+15, LAA+23, OHMW21, VC17, NFK10]. **Assisted** [LWZ+24]. **Associated** [CMK+24, GAM+24, LCA16, MDF08, Saf18, GCS10, WLSL14]. **Association** [LM21]. **Associations** [ELRW20, GV24, LLN+21]. **Associativity** [AK17a]. **Astronomy** [Rol19]. **asymptote** [Kid11]. **Asymptotes** [KŠČ20, KČŠ23]. **Asymptotic** [KŠČ20, KČŠ23]. **Asynchronous** [CH20]. **Atayal** [CLY10, HL13]. **Atmosphere** [LAN20]. **attachment** [Kuw13]. **Attaining** [HFBM24]. **Attainment** [IAS17, TNHK23, Ing14, Wel15]. **attempt** [AH11]. **Attempts** [Bla04, IK18]. **Attention** [ABAHA23, ANLL21, CGÖ22, Shi21, Wil20a]. **Attitude** [CO18, HHT21, HCH16, SWCH20, SK17, SWAEKS19, Rut11, Tig14]. **Attitudes** [AAF17, BSG+23, LJ16, LHC17, LLN+21, Ma23, MNBZH+05, MDF08, MF05, RCC22, SIA23, SH24, SAA18, SF05, Su08, TY23, TKDD19, BSLM16, BW10, CPMSW11, CBDV10, HGK11, HY05, KB16b, KB17, KSE16, LY10, LH16, PSC+13, Uit14, WT15, Zei10]. **Attributed** [AAM20, AAM24]. **Audit** [Tsa06]. **Augmented** [LWZ+24]. **Australia** [MP10, VC17]. **Australian** [CMP19, EDS10, MLK+15, Xu22, XFH23, ZS11]. **Authentic** [CC05, Gil04, Koh19, Ron18]. **Authenticity** [Lil07]. **authored** [HBTP13]. **Authoritative** [BL21]. **Authority** [Kim22]. **Authors** [Ano03b, Ano03c, Ano04a, Ano04b]. **Autonomous** [Gal22]. **autonomy** [BK13a]. **Auxiliary** [GAMDV22, GAMDV24]. **Availability** [WM17]. **Avoiding** [SBS+07]. **Aware** [CO22]. **Awareness** [BSG+23, EB20, KST+23, Ron20, SML24, CBDV10, Web13]. **Away** [ABAHA23].

**B** [Ron20, VT07a]. **Back** [Lee16b]. **Background** [TKDD19]. **Balance** [HA07, WMS13]. **balanced** [KTBG15]. **ball** [Lee11]. **Bangladeshi** [SC14]. **Bar** [AkB21]. **barriers** [TT14]. **base** [DW15, KYA13a, ÖDC09, RCT+11]. **Based** [AOZ09, AMG16, BWK+19, BF19, BL21, CÖ20, CRC22, CA21, CY21, CIZ+23, CMK+24, DÇÖK23, DD23, DA20a, DA20b, DLD18, Dud17, DJB15, HC23, HC24, HBF+22, HDvJ21, KD09, KBH+15, KKS+19, KC22, KK22a, KC20, KL18b, KKL20, KVB22, Kim22, KLH15, KEET17, KTC19, Lem21, Leu19, LBBE22, Lil07, Lin05b, LLC+15, LC23, LS24, Ma23, MSA17, McG03, MWM05, MWA23, MFG+21, NvKR+18, Own06, QVST17, SLV22, SD22, SCDC21, SML24, Shi21, SLCK19, SJL20, TAC19, TYC17, TKS18, UD18, VB20, WSZ23, WSZ24, Wan20, WO19, Wil21, YWC+18, vDDDB22, Als12, AT15, BJ10, CTT+11, Che08, CKH15, Din14, FG14, FD12, GACZ09, HCC15, HTWT14, KIR12, KB16b, Kuw13, LM15, LNW22, LB08, LTT06, MSH10, MMV16, NEAC10, NKR+18, Oh11, Oh14, Oli10, Ols07, OEMZ12, Own10, RCG+11, SCS+12]. **based** [WWTC10, YFL15, Yük14, ZKS+05, vA06, BKC15]. **Bases** [FT05, ODTS07, JLCT12]. **Basic** [GBC21, WT20, Kaz14, STC12, GBC24]. **Basis** [NPT17]. **Basque** [MG15a]. **be** [DCFC16, SC11]. **Because** [SY22]. **Becoming** [jK19, Sas21]. **Before** [BBT17, KLJ+13]. **Beginning**

[BHD+15, BF23, AV06, AE15, BK13a, Cha10, DW15]. **Behavior** [BR23, CMM23, LCTK24, LWZ+24, BRMNH15, MOdBB12]. **Behavioral** [HCH16, RS24, SEW18, SP21a, BSLM16]. **Behaviors** [Rot20, APCK12, HY05, KSE16]. **Behaviour** [KŠČ20, KČŠ23]. **Behind** [SRSD23, GLY09]. **Being** [WHC17, YKC18, BNH+15]. **Beliefs** [AAMU+14, AMG16, BHD+15, CD23, CMM23, CCL22, CGTQ21, CIBP23, DÇÖK23, EP21, FCS15, GR21, JSS17, Jao17, KL23a, KKE+17, LR20, Lau22, Leu22, LLHC23, LTD+18, LS23, MHIS09, MSGGVZDF20, PSO17, PN04, Rot20, SCG+19, SR21, SBR22, SH24, SAA18, Sum13, TNHK23, VCSW20, VBACCG22, Vid15, WSZ23, WSZ24, WL18, XC21, AAS13, Bur10, CVCV11, CDT+11, Gok12, KSE16, Liu09, LT11, ME13, QM14, RJHB12, Šap13, Top13, Uit14, YHT16]. **Belonging** [BWM+24, SWCH20, YDL24]. **Belongs** [VWH+17]. **Benchmarks** [LLC+16]. **Benefits** [Dah17, Bes11a, Bes11b]. **Bernstein** [TRF05]. **Best** [JSH+23]. **Better** [SSS18, TSC17, MRA10]. **Between** [AYLW16, AS22, Bar17, BKMK24, BML24, BHV+24, BRR+22, DRZ20, EPEG07, ELRW20, ELO08, ELCG24, GB22, HILAT16, Khi23, LBF24, LM21, Lee21a, LC23, MKSK16, QCH23, SIA23, SL21, SLZ+18, SS19, TH18, VBACCG22, WlCC+18, YKKB19, YKB21, YSHC23, AGBC17, AV06, AB13, BRMNH15, CY14, GBC21, GBC24, GOMLS18, JC10, KC22, KKvdW15, KV10, LY10, LH14, MW09, Maj14, MPB10, OBE12, Sch15, Tay18, WLSL14, Zei10]. **Beyond** [Kaw07, KLH15, KWMW22, PEQS24]. **Bhutanese** [DNWC18]. **bianshi** [WLSC09]. **Bias** [AKHT23, PL19a, YC23]. **Biases** [GD19]. **Bibliometric** [RM24]. **Big** [CCCN17]. **Bilingual** [SMPK+19, AM14a]. **Binational** [TSMW16]. **Biochemistry** [ELRW20]. **biological** [CSM12]. **Biology** [AN18, BCC06, Dog21, EP21, JHWW16, KWO07, KBK+22, KGM24, LL06, LYL23, LDG20, McC03, MBBR08, MQ07, NvKR+18, NKR+18, NA24, SG24, TPM19, VC17, vKF22, DCFC16, FL11, SB09, Top13, Uit14, WLSN14, Zei10]. **biosciences** [SVME15]. **Biot** [Maj14]. **Biot-Savart** [Maj14]. **biotechnology** [EDS10]. **Bivariate** [TT18]. **Blackbody** [Bal18]. **Blending** [VGDD23]. **Bloom** [WO19]. **Boatbuilding** [ZZ09]. **Bolivian** [MJMOR11]. **Bonding** [EG17]. **Book** [UD18]. **books** [LCC11b]. **Both** [HTCS19, MSA17, WFK+16]. **Botswana** [PB09]. **Botswanao** [Eme09]. **Boundaries** [VCSW20, LNW22]. **Boundary** [Bar17, HHS24, TSC17, Hob13]. **boundary-crossing** [Hob13]. **Bourdieuian** [Mel10]. **Box** [LKC+15]. **Boy** [SCB16]. **'Boys** [Sum16a]. **Brackets** [PT23]. **Brain** [WLSL14, NDD14]. **Breaking** [LL20]. **Bridge** [ELO08, WLSC09]. **Bridges** [EK19]. **Bridging** [CWLH19, FL11]. **Bring** [HHS24, Koy23]. **Brunei** [Dhi08]. **BSCS** [JH24]. **Budapest** [And03]. **Buddhism** [Leu05]. **build** [Che14]. **Building** [Ceg21, LYP14, Sch15, WOB12]. **Buoyancy** [HKSL22]. **burning** [CLY10]. **Buttons** [Sum16a].

**C** [MJMOR11]. **cadaver** [MIJJ15]. **CAI** [Ran06]. **Calculations** [KL18b, LTM18, DDG+12]. **Calculus**

[CCT16, Dah17, Hon23, KČŠ23, Ön21, WQNC17, MMR15, PK15, PSC+13]. **Call** [Ano12c, Ano13, sL13, RR09, Tsa13]. **Camp** [HMHG20, AMBLL16]. **camps** [AMBLL16]. **Campus** [PDÜA21, WSW+08]. **Can** [Hil18, Lin16a]. **Canada** [DRT+12, LS14]. **Canada-Wide** [DRT+12]. **Canadian** [HY05]. **Candidate** [KS21, TK22]. **Candidates** [MWM05, Lee16a]. **Capabilities** [SD16]. **Capacitance** [DJZ21]. **Capacitors** [DJZ21]. **capacity** [AM14b]. **Capital** [CS16, Ceg21, GAM+24]. **Capturing** [SR21]. **Carbon** [BPMK24]. **Career** [BB19, Bro22, HSK24, HASR24, KB21, KBK15, LKL20, PH19, SEW18, Sas19, Sas21, Ing14, Lee16a]. **Careers** [Bin20, HGSL18, KST+23, MRJ+21, PD17, SKS+23, CPMSW11, DAO+11, KB16b, Uit14]. **Carry** [LTT+19]. **Cartesian** [GZ21]. **Case** [AVM16, Alg20, AD16, AGW24, BFH19, BAN21, BC05, BSR24, CW06, CT17, CC05, CABR06, Dog12, EHM19, El 21, ERC03, Get23, GRWHP19, HA07, HZBC24, KD09, KBK+22, LB08, LYL23, LKL20, Mad22, McC03, NAÇE22, Ng19, NF20, Ön21, PPB18, PL19b, PN04, PB09, QCH23, QVST17, Ron20, Saf18, SC21, SML24, ST24, SAA18, SLZ+18, Sty08, SMSBZ23, TM17, TT22, TSP16, VWH+17, VC17, XFH23, AB14, BSA+14, Bay13, CdHD16, Cha10, CL10, DW15, EDS10, ELY15, Eme09, HFWY14, IK14, KYA13a, KYJS12, KK16, LH14, Mor09a, Mor09b, MPB10, OS10, OO12, PZLR16, PV14, SY14, TOV12, TDBLY16, ZS11]. **Case-Based** [KD09]. **Cases** [Kim22, PH19, Lin05b, MNE12]. **Category** [PEK+23]. **Causal** [SRSD23]. **Caused** [ZGZM17]. **Causes** [PP15, LLT09]. **CCEM** [PCL18]. **CD** [LCC11b]. **CD-ROM** [LCC11b]. **Cell** [RTC22, RT10]. **Center** [ABH17]. **Centered** [MH17, SJL20]. **central** [DCFC16]. **centred** [RCT+11]. **centres** [MG15a]. **Century** [CYLL23, SD22, Pap10]. **Certain** [JLC17]. **certification** [BAV+11, OEMZ12]. **CGI** [KRS23]. **Chains** [PSM+20, WWM+24]. **challenge** [And14]. **Challenges** [AO16, BAN21, HKS18, KBK+22, PA22, SVME15, Wil21, WHC17, ZTW23, ACY10, SB09, ZKS+05]. **Challenging** [BPMK24, HHH22, RH19, THV+15]. **Change** [BC06, BHD+15, ÇAC07, CB16, EG17, HA07, HFVH17, KEC23, LR20, MTMKR23, MC04, MQ07, SF22, TY23, YY13, BPG11, BEF15, BMN16, ÇAC09, OS10, OdC15, PYR+12, RVG15]. **Change-Oriented** [TY23]. **Changed** [FI19, KHL12]. **Changes** [AGW24, BF23, CYLL23, HjKKL23, KR18a, SYOL05, SYOL07, WL08, Xu22, KIR12, ME13, RK10, TCC+10]. **changing** [KB17, LG13, SP15]. **Chaotic** [HZBC24]. **Character** [KKL20]. **Characterise** [Yeo17a, Yeo17b]. **Characterising** [AFG21, TPK+23]. **Characteristics** [PSO17, PEK+23, Sas21, SP21a, TKDD19, ZBH23, rSY19, Bag11, GCS10, Las13, PPS12, SP15]. **Characterization** [ABM24]. **Characterize** [PFCM23]. **characterizes** [Ped15]. **Characterizing** [GLSM11, WFWK23]. **characters** [Che11]. **Charting** [Lee18]. **CHAT** [SB21]. **Chemical** [Bil06, EG17, FMOMG16, HP21, SB17, TBP17, OdC15]. **Chemistry** [AN18, BSG+23, ÇAC07, CC05, Che08, CABR06, CIBP23, DC06, HZL22, HCBZ03, HMS16, KD09, LSW19, NPT17, QVST17, RTC22, SB17, SCSK19, Su08, TLK17, Xu22, YDL24, ZBE21, AAMU+14, BSA+14, BPG11,

BRMNH15, BS15, ÇAC09, CBT+12, DMNH11, ETG16, GGSP10, KYA13a, KIR12, KKvdW15, LT11, MNE12, ME13, NY11, ÖDC09, Top13, WP12]. **chemistry-learning** [BSA+14]. **Childhood** [TM17, Ulu21, Lee16a, TOV12]. **Children** [AVT16, CPTMSM22, CD23, CWLH19, EA19, Güv09, Hua17, KRT11, LLN+21, MB21, MF05, PEK+23, RVTV20, RMR22, SBN16, So03, SK17, VWH+17, WwLD+15, Bra12, BVDV13, Can14, Che11, Chi12b, Fer14, HPP09, HY05, LCC11b, SBN14, BML24, PPB18, PEK+23]. **Chile** [THV+15, TLHV16a, TLHV16b]. **Chilean** [GS16, RCC22, SCG+19]. **China** [FLP23, HDvJ21, JHWW16, LYL23, LKL20, QCH23, WB20, WO19, WHC17, YKKB19, ZSW+21, ZKS+05, ZC15, ZBH23, ZF06]. **Chinese** [BVDV13, CW06, CJ17, CL10, CVCV11, Che11, Din18, Gao20, GHL22, HZL22, HFWY14, JC10, JML21, JW15, KL18a, Len06, LZL+18, LP11, LH16, MLK+15, NHLS08, Ng10, RXLC16, XC21, YKB21, ZBL+16, ZYJ22, ZS11, ZVV18, ZTW23]. **Choice** [BB17, Gus24, HMM22, JCC20, Ng20, PD17, Sas19, Sas21, BS15, LLWS13, Web13]. **Choosing** [DAM19, KN22]. **Christian** [BdSSC16]. **circle** [Aky16]. **Circuits** [ÇK06, Lin16a, KTBG15, SY14]. **Circulatory** [Wan04]. **citation** [TWC+16]. **CiteSpace** [TYW+17]. **Citizen** [ALI23, Str20]. **Citizens** [KKL20]. **Citizenship** [Alg20, MSS22]. **CK** [OBF15]. **Claims** [CH20, AV06]. **Class** [BML24, CH20, El 21, EP21, Gus24, MSdSGG17, OE19, vKF22, CMME15, KYJS12, LLL15, MMZ09, SVME15, WT15]. **Classes** [BCC06, SCB16, SJL20, AE15, EE11, ETG16, EK09, GGSP10, MOdBB12, SOTF13]. **Classification** [FMOMG16, YYC04]. **Classroom** [And03, ANLL21, BE16, Bla04, CK22, CBR21, CO22, DS18, DIRTBP24, DA20a, DA20b, DKL16, EHM19, El 22, EH18, Fre21, Fre24, GHS+18, Gus24, HK21, IK18, JLL20, KLR23, KHNV20, Kim22, LTT+19, Leu05, Leu19, MHIS09, MSAGHMNG19, MBBR08, MF05, NHLS08, OS10, PP15, PDÜA21, PCL18, RTM+20, SLV22, Sch14, Shi18, SF05, SGHM15, SGHM16, TM17, TA15, VJ06, WQNC17, Xu22, YS19b, ZBH23, AV06, Ale14, CK14, CL10, CYK+16, Fos15, GLY09, HL13, KTBG15, Lee11, Oh11, PDG15, Pap10, Pet13, QM14, RB13, SIS+11]. **Classrooms** [El 23, Fan21, FHmL18, Fun21, FL23, HNMGA16, HNAA16, HKS18, HHS24, KBK+22, Kim22, KFM+17, LFF03, MDT13, NvKR+18, NKR+18, NPT17, OS05, QHS+20, RL19, SB21, Sea16, SGHM15, SGHM16, SMZ06, WHH08, AAF12, AH11, CCN+12, FG14, Kau11, LCC11b, NCH11, NRKR13, Oli10, PYR+12, SYOL05, SYOL07, SIS+11, TRF05]. **Climate** [GV24, HFVH17, ZPW+24, BEF15, CK14, Pet13]. **Clinical** [Lee21a, WMS13]. **clock** [BVDV13]. **clock-reading** [BVDV13]. **Close** [RML22]. **Closer** [CGBD23]. **Club** [HjKKL23]. **Cluster** [FB19, NLW16]. **Co** [BAN21, MN23, TWC+16, HBTP13, MMZ09]. **co-authored** [HBTP13]. **Co-citation** [TWC+16]. **Co-operative** [MN23]. **co-taught** [MMZ09]. **Co-teaching** [BAN21]. **Coeducational** [DH18, SCB16]. **Cogenerative** [Hsu19]. **Cognition** [CC05, LCA16, MCF23]. **Cognitive** [AK20, BKMK24, BJT23, FTWC18, HHS+21, HMM22, LHY24, LL14, LWZ+24, Miy08, NHLS08, PEQS24, RXLC16, RV17, SLCK19, ST05, TT18,

YT20, Bab10, BHMO14, CA14, CCWL15, Las13, LY13, SP15, TSP12]. **Coherence** [SV08, WL22, CL10]. **Coherency** [WL21]. **Coherent** [SCSK19, WD12]. **Collaboration** [CC16, EG17, QCH23, TPS21]. **Collaborations** [TSC17, Kot10]. **Collaborative** [BV24, FL23, HK21, WFPC04, KLJ+13, KB14, LCC+09]. **collecting** [Per20]. **Collective** [CFC22, FNW24, HHT+20, SEW18, CBT+12]. **College** [BMD+17, CS16, CPMSW11, CC18, GS16, LL06, McG03, SWDR20, Sch14, Gok12, Lee16a, Liu09, PSC+13, KBK+22]. **Colleges** [Get23]. **Colloquial** [KL18b]. **Colombia** [EB20]. **Colombian** [AV06, MJMOR11]. **Colour** [MVC17b]. **combinatorial** [TC09]. **Combined** [CH20]. **Combining** [LKC+15, Shi18, Cro09]. **comes** [Kön13]. **coming** [Mor09a, Mor09b]. **COMM** [KKL20]. **Committed** [KKE+17]. **Commognitive** [Ng19]. **Common** [CA21, KAK+20, KÇ18, RBE21]. **Commonality** [TVC03]. **communicate** [EDS10]. **Communication** [DFR06, GC21, Kul18, Ng19, Su08, CCG+11, CYK+16, HpCH+16, OO12, SLES09]. **Communicative** [YUG24]. **Communities** [LAA+23, LBBE22]. **Community** [CIZ+23, KKL20, LCB21, SP21b, TSC17, WB20, WBM21, LYP14]. **Community-Based** [CIZ+23, KKL20]. **Community-School** [TSC17]. **Comparative** [EKC+21, Fun21, JSH+23, LSW19, TLHV16a, TLHV16b, WT18, WO19, YKKB19, ZBL+16, FD12, HY05, JC10, JSP15, MMV16, ÖDC09, TOV12, ZS11]. **Compare** [Wan20]. **Comparing** [Ded15, GBA24, HBF+22, Lem21, LC23, MOI07, RH23, SWAEKS19, TS20, YUG24, LS14]. **Comparison** [BF19, GBC21, GBC24, GD19, HZBC24, KAK22, MH17, PMSK+12, SBN16, WBB17, YJY08, ZF06, AAMU+14, Bab10, Lin14a, Maj14, MLK+15, SBN14]. **Comparisons** [BF19, THV+15]. **Competence** [ASR19, BG22, CT18, DIRTBP24, DJE17, KBH+15, LS24, NPT17, RH15, TWS+23, CCG+11, NFB+15, OdC15, Ped15]. **Competences** [KLH15]. **Competencies** [AEP22, BF23, HZL22, PFCM23, TH18, WlCC+18, BSA+14, HWW13, NFB+15]. **Competency** [Ön21, PN18, PB19]. **competent** [WHA14]. **Competitions** [HBP17, KK16]. **complete** [MMM11]. **Completed** [HC16a]. **Complex** [KAK+20, RB09, WS16, JLC+13, MMM11]. **Complexities** [KBH+15, VTCvS14]. **Complexity** [KGM24, NPT17]. **Complicated** [LP23, SY22]. **Component** [YPT07b]. **Components** [RH15, YWC+18]. **composition** [MP10]. **Comprehend** [HHH22]. **Comprehension** [Bea22, ÇP17, HHH22, HBF+22, HY07, LY07, LLC+15, LL17, WC16, YL18, ZZ16, AM14a, LL14, VR12, Voy11, WCT+12]. **Comprehensive** [JRWB23]. **compulsory** [MR14]. **Computation** [Erd17a, Erd17b]. **Computational** [DD23, LF17, LCW+24, LLP+24, WSC22, Yan19, YS19a]. **Computer** [BWK+19, DP07, LLC+15, LL14]. **Computer-Based** [BWK+19, LLC+15]. **computer-supported** [LL14]. **Computerized** [KD09]. **Concavity** [Jon19]. **Concept** [AKD+19, Bar17, BCC06, CW06, Dah17, HA07, HE17, HILAT16, KWO07, PMCG+17, PPB18, STD+23, SV08, SCB16, SVDK09, TT22, Ulu21,

YT07, ZBB22, DDG+12, EGP+09, Ful15, LLT09, MRLM21, NSV13, Nyi15, ÖDC09, SMFL15, SG15]. **Conception** [LP23, PMLC15]. **Conceptions** [AOZ09, AKD+19, BBT17, BHA+23, CW06, ÇK06, EPEG07, FF23, GCCCG18, HLT22, Lau22, LSW19, LLW+20, LZL+18, Lin16a, Liu05, LDG20, MBBR08, PRW+07, SL21, Sum16a, Sum16b, TLT21, TYC17, UKM11, Wan07, WL08, WAL23, WAL24, YYC04, YL22, ZZ16, AV06, AÖÇ10, CLY10, Chi12b, HK10, KGA+11, KB16b, Ko10, LNW22, Oh14, SKA11, Wai14, WCY16, Yan14]. **Concepts** [AT07, AGW24, CB16, CC05, EG17, HC23, HC24, İED+23, MSA17, RTC22, SWYS24, YLTO21, Are12, AAY15, ÇAC09, CSM12, DC08, HBP17, JW15, KYA13a, KTBG15, KN13, LCC11b, PC13, RCT+11, STC12, Tan11, TCC+10, VRW05, WMS13, WCY16]. **Conceptual** [ASR19, BPG11, ÇAC07, CB16, EG17, FB19, HA07, Hua17, JLC17, KÇ18, MZC+19, MC04, MQ07, NAÇE22, SV08, SMPK+19, SP17, SLC17, SF05, TT07, TY23, TS04, WT18, APCK12, BHSC10, ÇAC09, Eme09, Gok12, JW15, Lep12, NPR12, OBE12, PYR+12, SW14, TOV12, vA06]. **Conceptualising** [STD+23, RHM+11]. **conceptualization** [Hsi13, jKMH20]. **Conceptualize** [Lin05b]. **Conceptualizing** [FHL19, Lin06]. **conceptually** [LM15]. **Concerning** [CC05, ÇTC14]. **Concerns** [JSRP20, LE06, Shi22, HY05]. **Concrete** [ZYJ22]. **Concrete-Representational-Abstract** [ZYJ22]. **Concretisations** [LTT+19]. **Condensation** [WT18, HS14]. **Conditional** [YCL04]. **Conditionals** [LPK24]. **Conditions** [GBC21, GBC24, HSMO06, KBK15, SBM12]. **Conduct** [DB17, BHSC10]. **Conducting** [Law05]. **Confidence** [Dog12, Fos22, YS19a, YS21, JLCT12, Lep12, STC12]. **configuration** [LL14]. **conflict** [BHMO14, LY13, Oh11, SP15]. **Confucian** [TH19]. **Confucianism** [Leu05]. **Conjecture** [DIBS22]. **Conjecture-Generation** [DIBS22]. **conjecturing** [Lee11]. **Connect** [DNV17]. **Connected** [AVM16, ELCG24, QHS+20, SIS+11]. **Connecting** [IK18, LOJ08, OL08, mS13, YKJ20]. **Connection** [GZ21, TCH+17]. **Connections** [AGBC17, LNP+18, MSGGVZDF20, Sch15]. **Connectivity** [GPR+18]. **Consequences** [PP15, DK10]. **Conservation** [Ron18, SBR14]. **consideration** [JLC+13]. **Considerations** [YAC10, YT22]. **Considered** [Sum16b]. **Consistency** [BHA+23, NSV13]. **Consistent** [RTC22]. **Constitute** [NPP16]. **constitution** [MBF13]. **Constraints** [DP07, HM09, MTMKR23, Din14]. **Construct** [CH20, HHH+23, LSK18, NJ24, SKS+23]. **Constructed** [KK22b, Wil20a, AC15]. **Constructing** [EK19, EP21, Hua06, Kid11, SP17, HL07, WLSC09]. **Construction** [CA21, EHM19, GAMDV22, GAMDV24, KÇ18, LR08, NOVRR22, PSM+20, TPK+23, YL18, CEB12, PPS12]. **Constructions** [CW06]. **constructivism** [TDBLY16]. **Constructivist** [DS18, MC04, SA22, Zei15, EDMA15, Şah10, AGW24]. **Consumption** [JHWW16]. **Contemporary** [Lin05b, HEB11]. **Content**

[APR+17, BSR24, CCW16, CFC22, DK18, DRZ20, DÇÖK23, DJB15, EGN11, ELCG24, HYC+16, KR18b, KGM24, Kul18, LTM18, LTCCY07, MS18, RB09, RCC22, SGHM15, SGHM16, TCH+17, YCH04, CTGS15, ELY15, FG14, FNW24, Hsi13, ZB13]. **content-rich** [ZB13]. **Content-Specific** [DK18, SGHM15, SGHM16]. **contents** [KN13]. **Contest** [HCH16]. **Context** [AGBC17, AFG21, BÖL23, BPMK24, CÖ20, CYT16, DD23, DNWC18, EGJ09, Fre21, Fre24, GT19, GFCG18, HNAA16, KKS+19, KA19, KGM24, LPK24, LBBE22, LCW+24, Mea07, QVST17, RTM+20, SH24, SS19, TKDD19, VVR24, VGDD23, Vid15, WFWK23, Wil20a, Wil21, ZG08, BEF15, Bes11a, Bes11b, BRMNH15, CSM12, DK10, MDT13, UKM11, VRW05, YFL15]. **Context-Based** [CÖ20, KKS+19, YFL15]. **Context-Rich** [EGJ09]. **Contexts** [AS22, AAM20, AAM24, BTJA18, JYC21, Jon19, LBF24, LFM+19, NJ24, SLZ+18, WT20, GS12, KST09, KYJS12]. **Contextual** [Jao17, SEW18, SKA11]. **contextualised** [Bes11a, Bes11b]. **Contextualizing** [ATG13]. **Continual** [LTT+21]. **Continuities** [VCSW20]. **continuum** [MBF13]. **Contract** [FG21, EGP+09]. **Contradictions** [SB21]. **Contrast** [VBACCG22]. **contribute** [TSA12]. **Contributing** [CS16]. **Contribution** [LY07, Ols18]. **Contributors** [HK21]. **control** [BES12]. **Controversial** [YZK15]. **Convection** [AGW24]. **Conventions** [El 23]. **converge** [CMME15]. **Conveyed** [MWA23]. **Cooperative** [AT07, CB16, EG17, KWO07, LCTK24, LS24, Ebr12, PCL18]. **Coordinates** [SVDK09]. **Coordinating** [CCT16]. **Coordination** [BL21]. **Coping** [PSB19, OS10, SP15]. **Core** [HZL22, SCSK19]. **Correction** [AHTN24, Ari24, AAM24, DHTA+24a, DA20a, Fre24, GBC24, GAMDV24, HC24, HAÇ24a, HCBS18a, LGS18a, LGS18b, TLK24, WSZ24, WAL24]. **correlation** [LLT09]. **Correlations** [ES09, SP05]. **correlative** [LCC11b]. **Cosmology** [STD+23]. **Cosmos** [STD+23]. **Costs** [RS24]. **Counterintuitive** [BE17]. **counting** [BC11]. **Countries** [HLT18, Wat17, BSD13, CRR09, Chi12a, WOB12]. **Country** [HHH+23, MG15a]. **Course** [CA24, CT17, Cor17, Das05, Gub16, Jao17, Leu22, MDF08, Su08, SG24, TYC17, UD18, YWG21, EDS10, EFL+13, Lee16a, LG13]. **Courses** [BG17, Ble09, MS18, PFFG+18, RS24, SG24, BL09, Din14]. **Covariation** [Wil20a]. **Covariational** [GPC23, YKUIB17]. **Cover** [HKS18]. **Cover-up** [HKS18]. **covert** [AM14b]. **COVID** [CMM23, DF22, FLP23, KGM24]. **COVID-19** [CMM23, DF22, FLP23, KGM24]. **CPD** [EDMA15]. **Crane** [KEET17]. **Create** [EH18]. **Creating** [Cro09, KTBG15, SPF23, LY13]. **Creation** [Koh19, NK04]. **Creative** [Chi09, Mer07, SL20, SP21a, LLL15]. **Creativity** [AAAB16, GAMDV22, GAMDV24, JRS22, WSZ23, WSZ24, HK10]. **credibility** [AB11]. **Credit** [BWK+19]. **Crisis** [DG19]. **Critical** [DJZ21, FGD22, PH19, RT10, TH19, TDW+17, TDE18, VTV16, YWF20, Ale14, Lin14b, Lin16b]. **Critique** [CH20, YY13]. **Croatian** [KŠČ20]. **Cross** [CL20, Din18, HHH+23, JSH+23, KYA13b, KL18b, KH15, MLK+15,

SWCH20, YYC04, ÇTC14, ETG16, KYA13c, ME13, TOV12, TCC+10]. **Cross-Age** [KH15, YYC04, ÇTC14]. **Cross-Country** [HHH+23]. **Cross-Cultural** [CL20, KL18b, SWCH20, MLK+15]. **Cross-Grade** [Din18]. **cross-level** [ME13]. **Cross-National** [KYA13b, JSH+23, ETG16, KYA13c, TOV12, TCC+10]. **Crossing** [HHS24, Hob13]. **CTS** [AGW24]. **Cultural** [CS16, CL20, Dhi08, HASR24, KL18b, LFM+19, SB21, SWCH20, Kuw13, MLK+15, Sch15, THV+15]. **Culturally** [HASR24, HM22, JMS16, RJ21, SWYS24, SWAEKS19, ATG13, NRKR13]. **Culture** [GHL22, HLT18, Kaw07, QVST17, Sch14, Tsa06, TLHV16a, TLHV16b, WFPC04, DMNH11, KTBG15, MDT13]. **Culture-Dependent** [TLHV16a, TLHV16b]. **Cultures** [KL23a, TH19]. **Cure** [BWM+24]. **Curiosity** [HHS+21, SML24, BSLM16]. **Current** [RM24, ZTW23, KTBG15]. **Curricula** [Alg20, Dog16, Ram24, ST24, VT07b, WL21, dFAN13, VT07a]. **Curricular** [JSRP20, FD12, HBTP13, So16, Tan11]. **Curriculum** [BVDV13, CC18, DNWC18, FYL21, HHJR21, Hua17, KC22, KR18a, KYA13b, Leu05, LC23, LS24, Mel10, SC03, Şah10, SCSK19, Sty08, TVC03, TC07, VB20, WM17, WB20, WM19, Wat17, WO19, XFH23, ZF06, CTGS15, HBTP13, HFWY14, KYA13c, Kuw13, OS10, PZLR16, TSA12, Tan11, VRW05, WLSC09]. **Curriculum-Based** [KC22, LS24]. **Curves** [KŠČ20]. **Cuts** [HTCS19]. **Cycle** [BPMK24, GOMLS18, ACY10, GDSD10]. **Czech** [KV10].

**D** [DA20a, CC18, DA20b, NF20, SLW10]. **D-Printing** [CC18]. **Daily** [MSAGHMNG19]. **Danish** [DK10]. **DAST** [MJMOR11]. **DAST-C** [MJMOR11]. **Data** [JCC20, MRLM21, SKS+23, SCDC21, SS21, TH19, TT18, WL18, WFWK23, Che14, CP12, CMME15, LH15]. **Datasets** [ALT+07]. **deal** [BNH+15]. **Dealing** [RH15, vKF22]. **Decade** [BF23, Lin12]. **decades** [Tip10]. **Decimal** [DGEP16]. **decimals** [LM15]. **Decision** [BTJA18, FHL19, LLL22, CBO09]. **Decision-Making** [BTJA18, LLL22, CBO09]. **Decisions** [ED23, LL05, Ols07]. **Deductive** [HM09, AE10]. **Deep** [SLC17]. **defense** [NPR12]. **Definite** [KL23b, MMP14]. **Definition** [Dah17, PMCG+17, Kid11, SG15, WCY16]. **Definitions** [Dah17, Ulu21]. **Defuses** [AVT16]. **degree** [EDS10]. **Degrees** [AN18, CA14]. **Delivery** [AM04, WSA07]. **Delphi** [ABM24, WB20]. **Delta** [TDBLY16]. **Demand** [BJT23, LHY24]. **Demands** [BKMK24, HHH22, Ön21, PN18, PB19, PEQS24, SC21, SCS+12, TT18, WL21]. **Democracy** [KKE+17]. **Democratic** [DS18]. **Demographic** [AKA18, ES09, Las13]. **Density** [KS21]. **department** [Mel10]. **Dependent** [TLHV16a, TLHV16b, WCY16]. **depth** [VR12]. **Derivative** [Wil20b, AU15, GLSM11, SMFL15]. **Derivatives** [VGDD23, MMR15]. **Derived** [BB17, CYT16]. **Describe** [WFWK23]. **Describing** [KP18]. **Descriptions** [Hsu19]. **Descriptive** [PL15, LCC11b]. **Design** [BBT24, CRC22, CC18, CO22, DC16, DA20a, DA20b, Gub16, GRWHP19, GJ21, KJ19, KEET17, MB20, MRC23, PPB18, RML22, SLV22, SOTF13,

SK23, TAC19, WSZ23, WSZ24, YWF20, vDDDB22, Aky16, AAY15, Ded11, MAL+11, MSH10]. **Design-Based**
[CRC22, KEET17, TAC19, WSZ23, WSZ24]. **Design-Integrated** [MRC23]. **Designed** [MDF08, TKY20, CCWL15]. **Designing** [GACZ09, TDE18]. **Designs** [SG24]. **Desire** [BC06, SF22]. **Desligning** [EK19]. **Detection** [UM18]. **Determination** [CIZ+23, KS21, TK22]. **Develop** [APR+17, HM22, PFCM23, SWYS24, AMBLL16]. **Developed** [BB09, MRC23]. **Developing** [AK20, BTJA18, CGERBL18, CMP19, CFC22, ELY15, EY23, FCS15, Hal12, KR18b, LLP19, LP23, Oli10, SMFL15, SP21a, TMS22, VJ06, WP12, WCT+12, AE10, KB17, Liu09]. **Development** [AM04, AEP22, BMD+17, BHD+15, BCV21, BCO22, BB19, BSR24, CTC16, CC05, CPF24, ERC03, GGSP10, Gub16, HDR21, HZL22, HCBZ03, HASR24, HpCH+16, HMM22, IAS17, İED+23, KKS+19, KEC23, KP18, KH08, KSL23, KH06, LTT+21, LYL23, LTCCY07, Lin04, LLC+15, LH16, LLC+16, LS24, Lin17, Lor05, LTD+18, MB20, MMA05, OHLC23, PP19, PDÜA21, Per20, Ran06, RAL+07, SC03, STD+23, SCiB22, SF05, TSO16, TVC03, TSKIB22, TDW+17, TYC17, VA21, Wan04, WC16, WK09, WBM21, WCG09, Yeo17a, ZPW+24, ZBE21, AU15, BC11, BHMO14, Cha10, CCG+11, Chi12a, DDG+12, FG14, FNW24, KBY11, LG13, LCC+09, LYP14, MNE12, MAL+11, MMP14, Mor14, QM14, RSPK14, RVG15, Rut11, SOTF13, SYOL05, SYOL07, SWA+12, WHA14, ZB13, vA06, Yeo17b]. **Diagnosing** [AK20, CSM12]. **Diagnosis** [Saf18]. **Diagnostic** [HMM22, İED+23, KS21, Lin04, LL17, TK22, TWS+23]. **Diagnostic-Remediation** [LL17]. **Diagram** [HC16b]. **Diagrammatic** [GGBW23]. **Diagrams** [DO23, MK23]. **Dialectical** [Dog21]. **Dialectically** [BB09]. **Dialogic** [BL21, CY23, JLL20]. **dialogical** [AH11]. **Dialogs** [Hsu19]. **Dialogue** [El 23]. **Diaries** [LJ16]. **Dice** [WK09]. **Didactic** [BDM21, FG21, KŠČ20, MVC17a, OC21, EGP+09]. **didactical** [PR24]. **Didactician** [PR24]. **Differ** [SGHM15, SGHM16]. **Difference** [HNAA16, Hil18, KBK15, LYY07, SCC23, ZG08, CBDV10, SLES09, WD12, YHT16]. **Differences** [AKA18, BF19, CCAG22, HC16b, KL23a, LFM+19, LLHC23, MRLM21, PEK+23, TPM19, WwLD+15, WlCC+18, YCH04, BRMNH15, CK14, CWZ23, Ing14, LY10, LM12, NSV13, PC13, VAF12, Yan14]. **Different** [AM04, Ble09, CA21, ÇP17, CC18, DNV17, EPEG07, ERdDS20, HBP17, KAK22, KRV+22, MNE12, PPCC20, RB09, RL19, SLZ+18, AE15, BL09, CCN+12, DPK08, EE11, KST09, LLWS13, PMLC15, SBR14, WWTC10, Yük14]. **Differential** [Chi12a, KC22, NJ24, BSD13, DPK08]. **Differentials** [IA08]. **Differentiate** [Ari19]. **differentiated** [TT14]. **differently** [HCC15]. **Difficulties** [CABR06, LL06, OÇ08, OBH17, RTC22, SY22, KGA+11]. **difficulty** [CKH15]. **diffusion** [TCC+10]. **Digital** [GGD15a, LK22, Lem21, LLN+21, TH19]. **Dilemma** [HHT+20, LP11]. **Dimension** [FB06, SVDK09]. **Dimensions** [Dhi08, EN08, YDL24, MMR15]. **Diploma** [LTCCY07]. **Direct** [HBF+22, RV17, VR23, Wan20, FD12, KTBG15]. **Directed** [SJL20].

**Directions** [Ler07, LK18b, Sum20, ACY10]. **Disabilities** [MO23, NAÇE22, ZYJ22]. **Disadvantaged** [HILAT16, Ng20]. **disciplinary** [CK14, CWZ23, EFL+13]. **Discipline** [HTCS19]. **Disciplines** [CS16, IAS17, RBT20]. **Discourse** [Das05, EHM19, McG03, SML24, YUG24, BJ10, EFL+13, Oli10]. **Discourses** [BL21, KKE+17, KL18b]. **Discrete** [Leh22]. **Discursive** [Shi18, TA15, FL11, GCK15]. **Discussion** [BRA+20, CH20, EH18, MWA23]. **Discussions** [Bil06, CO22, EKC+21, Gus24, LLT+20, SJL20, vKF22, PK15]. **Disentangling** [PEQS24]. **Dislikes** [UM18]. **display** [MMM11]. **displaying** [STC12]. **Dispositions** [CYLL23, GV24, LCW+24, HY05]. **Disproof** [OL08]. **dissection** [MIJJ15]. **Distance** [AM04, FLP23, Yor23, KST09]. **Distinguish** [CA24]. **Distinguishing** [TS04]. **distracter** [BHSC10]. **Distributive** [LS15, TC09]. **District** [KWO07, GN08]. **distrust** [AB13]. **Diverse** [BMD+17, HM22, JMS16, SAPM22, SWYS24, SWAEKS19, Wil21]. **Diversifying** [Owe14]. **Diversity** [BC06]. **Divides** [TH19]. **division** [CL10]. **Do** [AN18, AKA18, BC06, CBDV10, Dog16, GY19, HAÇ24a, HAÇ24b, HCBS18b, KBK15, LJ16, Lin16a, MMM11, OHLC23, RH17, SB21, SY22, SRSD23, WT15, ZPW+24, ZK20, AB14, DL12, GR21, WKL23, ZS11, HCBS18a]. **Do-able** [OHLC23]. **Documentation** [PR24]. **documenting** [CBT+12]. **Does** [DD23, DWM16, HAÇ24a, HAÇ24b, MNBZH+05, SAA18, SGHM15, SGHM16, WKG20, WHH08, ZG08, MSK22, SLES09]. **dogma** [DCFC16]. **Doing** [TLK17]. **Domain** [DH18]. **don't** [DBS15]. **Double** [HZBC24, LS21, LLWS13]. **double-choice** [LLWS13]. **Dragging** [Ng19]. **Drama** [ARdMB23]. **Drawing** [TRF05]. **Drifting** [ABAHA23]. **Driven** [CWLH19, Pet22, SML24]. **Dual** [KG15]. **Duoethnography** [LdCCK21]. **Durability** [HA07]. **During** [BHD+15, DF22, El 23, EN08, FLP23, GR21, HKS18, KR18a, KRS23, LBF24, LCTK24, LC23, SBR22, SAK24, SP21a, YKUIB17, YY13, EGJ09, GN08, KLJ+13, Kön13, Kot10, OS10]. **Dutch** [VTCvS14]. **Dynamic** [EY23, KJ19, LCA16, LK22, Ng19, PSM+20, Tur22, WC16, YKUIB17, CdHD16, HP11]. **Dynamics** [BE17, KYJS12].

**E-Based** [YWC+18]. **e-learning** [SLW10]. **E-textbooks** [GPR+18]. **Early** [AS22, BB19, Bro22, GBC21, GBC24, GV24, HM22, KBK15, LM21, LKL20, PH19, PEK+23, PCM22, TM17, Ulu21, WwLD+15, Ing14, Lee16a, Per20, TOV12]. **Earth** [Liu05, DC16, Fan21]. **East** [WL21, WKL23, ZL11, ZK20]. **Eastern** [BSD13]. **Easy** [HHH22]. **ecocultural** [Owe14]. **Ecological** [HC23, HC24, RB09]. **economic** [CA21, LNW22]. **Economically** [HILAT16]. **Ecosystems** [JSH+19]. **Editorial** [Ano03a, Ler04, Lin05a, Lin12, Lin05c, Shy03, Tre04]. **Educ** [LGS18a, LGS18b]. **Education** [AHO19, Alg20, ALT+07, AM04, Ano12a, Ano12b, ABH17, BSG+23, BV24, BC05, BF23, CD23, Chi04, CIZ+23, CFC22, DBV22, DWM16, EB20, Eng17, FHL19, Fre21, Fre24, GCCCG18, GC21, GBC21, GBC24, Gil04, GV24,

GSJ+17, HC16a, HDvJ21, JRS22, KST+23, KŠČ20, Kaw07, KYA13b, KA19, KBK15, Kyl06, LF17, Lee21b, Ler07, Leu22, LTCCY07, LLL22, MJ18, MN23, MFG+21, NOVRR22, OHLC23, PZA16, PA22, PH18, QVST17, RTC22, RL19, RML22, RAL+07, SPF23, SC03, SBR22, SBS+07, SLK20, SSS18, SS21, SBN16, SWAEKS19, TWC+16, TLK22, TLK24, TSKIB22, TYW+17, TM17, Tsa06, VRFCT+08, VTV16, Wan20, WSC22, WKG20, WCB23, YT22, Yor23, ZSW+21, ZX20, ZPW+24, ZP06, ZBE21, AV06, BMN16, BS15, BK13b, CGR13, CBO09, CBT+12, DFR06, Ded11]. **education** [HEB11, HpCH+16, Kaz14, KGA+11, KYA13c, Kni10, Kön13, KKvdW15, KB14, Las13, Lee16a, LHL+12, LH15, LC14a, LC14b, Lui13, MR14, NFK10, NFB+15, NDD14, OEMZ12, RR11, RR09, Sch15, SBN14, TOV12, TDBLY16, Tip10, YL08, ZKS+05, HL07, SYOL07, VT07a]. **Educational** [KK22b, LF17, Law05, SLZ+18, TKY20, TNHK23, ZX20, Ko10, LLL15, MP10, NFK10, SBR14]. **Educator** [KEB21, LdCCK21, RBE21, Sum20, TPS21, VA21, WHC17, AE10]. **Educators** [CFC22, HDR21, SP21b, WBM21, Ama16, ZKS+05]. **Effect** [AT07, AOZ09, CA21, CHC16, CT04, DMNH11, GG09, HSK24, HHT+20, HHT21, HMS16, IV24, Jaf20, Jia19, KST+23, LLWS13, Ma23, PDÜA21, RVTV20, Sch14, TY23, TH18, YT20, AT15, BZST10, Ebr12, LM10, Oh11, PDG15, SWA+12, WLSN14]. **Effective** [CO22, FHmL18, Koy23, KFM+17, RAL+07, TLK17, TDE18, CBO09, OO12]. **Effectiveness** [AAF12, DÇÖK23, FL23, GC21, TAC19, WT18, WSA07, YS19b, Bra12, ÇAC09, CS15, KYA13a, MP10, PZLR16, WWTC10]. **Effects** [BB17, BCO22, DJB15, FTWC18, GN08, HHH22, Kan23, KWO07, KKL20, KEET17, Las13, LW18, Len06, NOVRR22, Ng10, PL15, PEQS24, RV17, SEW18, SLK20, SKS+23, SAPM22, Su08, UE19, VR23, WSZ23, WSZ24, YZK15, Yam18, YSHC23, YT07, ZYJ22, BJ10, BHMO14, CA14, CTGS15, CCWL15, MMV16, ÖDC09, YHT16, BK13a]. **Efficacy** [AO16, DC06, Gao20, HZL22, HLT22, HHT+20, HHT21, LLW+20, LJC08, LTD+18, MS18, MA21, OHLC23, RB09, TLT21, TH18, TNHK23, VB20, WT20, YZK15, YLTO21, ZPW+24, Bag11, BWM+24, Bur10, Cha10, CK14, JLC08, KIR12, Lau22, LWZ+24, LM12, Pet13, RCT+11, SKS+23, SH24, Uit14, VHM22]. **Effort** [RS24]. **Egyptian** [SOTF13]. **eight** [Kau11]. **eighteenth** [Pap10]. **Eighth** [CCN+12, DA20a, DA20b, IA08, LM21, AR10, JLC+13, Lee11, Mor14]. **Eighth-Grade** [IA08]. **Einsteinian** [BBT24]. **Elder** [PTW05]. **Electric** [ÇK06, Lin16a, KTBG15, SY14]. **Electrical** [CA21, TAC19]. **Electricity** [AOZ09, ABG06, KH15, TY23, TDW+17, Gok12]. **Electrochemistry** [AT07, OL14]. **electrolysis** [STC12]. **Electrolytic** [RTC22]. **electromagnetic** [AC15]. **electromagnetics** [Lep12]. **Elementary** [APR+17, AGW24, AM04, ABG06, Bil06, Ble09, BRR+22, BCO22, CJ17, ÇAC07, CÖ20, CRC22, CA24, Cho21, DC16, DHB19, DNV17, Din18, Eng17, ED23, ELO08, GBA24, HbK19, HNMGA16, HKSL22, HHH+23, HMC19, Jac12, KL18a, KK22a, KR18b, jKMH20, Kim22, LBP+24, Leu05, Li11, Lin14a, Lin16a, LLC+16, LL17, LJC08, MDF08, MVC17a, MS18, MOI07,

NPP16, Oro16, PL19a, PSB19, RMR22, SLK20, Sea16, SK23, TMS22, Ulu21, UFW17, VTV16, WJ07, WlCC+18, YKC18, YSHC23, ZYJ22, AAS13, Bay13, BL09, Bur10, ÇTC14, Cha10, CKH15, Ebr12, FG14, JLC08, KB17, Lee16a, Oli10, RB13, SLW10, TT14, WCT+12, WT15]. **Elementary-Aged** [RMR22]. **Elementary-Level** [HMC19]. **Elements** [AFG21, FMOMG16, GYU24]. **Eleventh** [SP05, TLR21, vV16]. **Eleventh-Grade** [TLR21, vV16]. **Eleventh-Graders** [SP05]. **Elicit** [SRSD23]. **Eliciting** [Ama20, KB21, UD18, DS15]. **Else** [VWH+17]. **Elucidating** [LDG20]. **Elusive** [LF18]. **Embedded** [DP07, KST+23, LsL14]. **Embedding** [HNMGA16]. **embodied** [KRT11]. **Emergent** [LdCCK21, GLSM11]. **Emerging** [EKC+21]. **Emirates** [PZA16]. **Emotion** [Dog12]. **Emotional** [LAN20, MSAGHMNG19, Sum20, HY05]. **Emotions** [LJ16, MSdSGG17, MSAGHM22, VCSA+23]. **Empathy** [Ron20]. **Emphases** [HHJR21]. **Empirical** [Ber19, DNV17, EB20, NPT17, PB19, PPCC20, Pit23, BK13b, HYC+16, LHL+12, NFB+15, RT10, WCY16]. **Empirically** [BB17, JYC21, vDDDB22]. **Employ** [WFWK23]. **Empowering** [PP08]. **Enablers** [MTMKR23, Wil21]. **enact** [CKH15]. **Enacted** [EE11, Rol19]. **Enacting** [RJ21]. **Enactment** [Leu05, XFH23, SCS+12]. **Encountered** [Nis17]. **Encountering** [LK18a]. **Encounters** [Dud17]. **end** [Las13]. **endeavoring** [dFAN13]. **Endeavour** [PH19]. **Energy** [AKD+19, BBT24, CA21, EB20, ES09, GY19, İİED+23, JHWW16, KNF+20, MWA23, TT07, TAC19, YJY08, CSM12, EGN11]. **engage** [AE15, AE16]. **Engagement** [CK22, CWLH19, DBV22, IAS17, LCW+24, LS23, WFPC04, rSY19, DS15, OBE12, RR11, RR09]. **Engaging** [DC16, DBV22, Hil18, HS14, LCA16, NN11, QHS+20, WSW+08, CJOC11]. **Engineering** [CRC22, CCCN17, CC18, CIBP23, DC16, EK18, FYL21, GS16, GRWHP19, HPP09, IAS17, KAK+20, LW16, MB20, MRC23, PPB18, PFFG+18, SK23, YWF20, ZSW+21, AC15, HCC15]. **Engineering-Focused** [FYL21]. **Engineers** [KSL23, vdWBD17]. **England** [EKC+21, SW23, SBN14, SBN16, TS20, WBB17]. **English** [Ale14, AM14a, DBS15, DKL16, GHS+18, HILAT16, MR14, PSM+20, Sch14, SCDC21, SS19, ZPW+24]. **Enhance** [BAN21, CMP19, Hua17, PP08, PSM+20, Cro09]. **Enhanced** [ALT14, SMSBZ23, Oh11, ÖDC09]. **enhancement** [Chi12a]. **Enhancing** [AW12, AO16, BC05, ÇAC07, CC16, CYK+16, EG17, FHmL18, LL17, RR11, SD22, YFL15, ZBE21, RR09]. **Enmeshments** [Pro24]. **Enquiry** [PD17]. **Enrich** [ARdMB23]. **Enriching** [SLK20]. **Enrichment** [Len06, Ng10]. **Enrollment** [BG17, KK24, SWDR20]. **Enter** [LSW19]. **Enterprise** [Das05, PBDE23]. **entities** [AB11]. **Entry** [LHC17, MPB10]. **Entry-Level** [LHC17]. **Environment** [ÇP17, CT04, Dhi08, DA20b, DLD18, Hew04, KD09, KR18a, LLW+20, MDF08, MF05, Own06, Own10, PSO17, PCL18, SZCL18, SF05, Tur22, WCG09, YS19b, Yor23, BK13a, ETG16, GCK15, KB14, TDBLY16, Zei10, Zei15, DA20a]. **Environment-Related** [KR18a]. **Environmental** [BSG+23, EB20, LLL22,

NHLS08, YTHH22, CBDV10, HY05, KIR12, LS14, LsL14]. **Environments** [ALT14, KAK22, KA19, KJ19, Lem21, MRJ+21, Ng19, TDE18, TKS18, YWC+18, Cro09, GGSP10, HIS+16, HISH16, KAC15]. **Epilogue** [HIS+16, LGS17a, LGS18a]. **Epistemic** [BG22, HHS+21, HCH23, LLL22, PBDE23, VCSA+23, WSZ23, WSZ24, YHT16]. **Epistemological** [CCL22, Cor17, DÇÖK23, ERdDS20, Mor09a, Mor09b, PSO17, RJHB12, Rot20, Liu09, Top13]. **Epistemologies** [AYLW16, RJHB12]. **Equal** [LP23, Mad22]. **Equally** [ZK20]. **Equation** [JCC20, JSH+23, TT23, VGDD23, YL22, JLC+13, SBK+14, VAF12]. **Equations** [HSH22, NJ24, SGCS23, DPK08]. **Equilibrium** [Bil06, CdHD16]. **equip** [MSH10]. **Equiprobability** [PL19a]. **Equity** [GCS10, HCBS18a, HCBS18b, MWA23, MP10]. **era** [RCG+11]. **Erratum** [Bes11a, BL09, Erd17a, HL07, KYA13b, sL14, Lin16b, LC14a, NvKR+18, SYOL07, SBN16, SGHM16, Tsa13, TCTC07, TLHV16b, VT07a, Yeo17b]. **Error** [KLR23]. **Error-handling** [KLR23]. **Errors** [EK18, GB22, HSH22, KAK+20, MRDCC17, SA16, Son22, vKF22, TSP12]. **Eruption** [LLP+24]. **espoused** [Šap13]. **Essential** [vdWBD17]. **Establishing** [BG17, SBM12]. **Establishment** [Miy08]. **Estimates** [RMR22]. **Estimating** [AFG21, DIRTBP24]. **Estimation** [HHH+23, Leu19, Pap10]. **Ethiopian** [Get23]. **Ethnic** [KL23a, WCB23, CK14, DAO+11]. **Ethnomathematics** [JMS16]. **Europe** [BSD13]. **Evaluate** [AMFC21]. **Evaluates** [JYC21]. **Evaluating** [BAV+11, HMC19, TCC+10, WSA07, GACZ09, LLL15, RCT+11]. **Evaluation** [Gub16, JSH+23, KKS+19, KS21, Lor05, MB21, MF05, RML22, RTM+20, Saw19, SF05, YT07, AB11, BEF15, BK13b, LLL15, SBR14]. **Evaporation** [WT18, HS14]. **event** [Hob13]. **Events** [NAÇE22, YKUIB17]. **Everyday** [BRSG20, CCL22, IK18, LPK24, GS12, KYJS12]. **Evidence** [BTJA18, CH20, EB20, Erd17a, Erd17b, GS16, JH24, KL18a, KL18b, PB19, RTC22, RH15, WL18, Bes11a, Bes11b, CTT+11, HTWT14, LHL+12, Per20, ZL12, AKA18, CBDV10, Ped15]. **Evidence-Based** [KL18b, CTT+11]. **Evidenced** [PCM22]. **Evolution** [GGD15b, JSRP20, PR24, SY22, TMVC24, YY13]. **Evolutionary** [LF17]. **Examination** [BWK+19, CÖ20, HYL23, LCA16, LR20, McG03, OBE12, SWCH20, TH19, TCH+17, TT18, BSA+14, Bes11a, Bes11b, KLJ+13, KKvdW15, NFB+15, ZC15]. **Examinations** [PB09]. **Examine** [GPCB15, Wan04]. **Examining** [AH11, AR10, DC16, HP21, HNMGA16, HKS18, Hon23, KTC19, MIJJ15, MB20, Ng19, OGY24, PL19b, Pet13, QM14, TDE18, WL08, ZBB22]. **Example** [SD16, SLC17]. **Examples** [BHA+23, CO22, LL21a, Ön21, SGCS23, YT20]. **Excellence** [KN22]. **Excelling** [KN22, WLSL14]. **Exercises** [TSMW16]. **Expectancy** [KL23a]. **Expectation** [Dog12]. **Expectations** [AKHT23, LJC08, Wat17, CRR09, JLC08, MPB10]. **Experience** [ASR19, BKMK24, Chi04, EK18, HHT+20, KBK15, MSAGHMNG19, So03,

YY13, BHS15, MIJJ15, ÖDC09]. **Experience-Sampling** [MSAGHMNG19]. **Experienced** [ERC03, Als12]. **Experiences** [AAF17, ALI23, Dud17, GCCCG18, HSK24, KYA13b, MSAGHMNG19, MO23, RBE21, SE22, TCC+24, CKH15, KYA13c, OS10, RRW11, SC11, ZB13]. **Experiencing** [BB19, SYOL05, SYOL07]. **Experiential** [Hsu19]. **Experiment** [LF17, Leu19, Aky16]. **Experimental** [CCAG22, EK18, GCCCG18, KW23, NAÇE22, ZGZM17]. **Experimentation** [Miy08, TLK17, ES16]. **Experimentation/Measurement** [Miy08]. **experimenting** [WLSC09]. **Experimento** [Dud17]. **Expert** [CO22, SLCK19, TA15, WB20, CMME15, KK16, SB09]. **Expert-Based** [SLCK19]. **Expertise** [BKMK24, BKC15, GPCB15, SIA23]. **experts** [DW15]. **Explain** [CIZ+23, WFWK23, KYA13a, MR14]. **Explainer** [KW23]. **Explaining** [BHV+24, CCW16, Uit14]. **Explanation** [JHWW16, TR21]. **Explanations** [DK18, GSO+17, PTW05, SKS+23, TT07, DE15, LTT06]. **Explanatory** [BHV+24]. **Explicit** [JWR20, Pet22, TR21, UE19, EVV11, FB06, MMR15]. **Explicit-Reflective** [Pet22]. **Explicitly** [CA24]. **Explicitness** [vV16]. **Exploiting** [Fos15, TVC03]. **Exploration** [Bla04, LL20, LPK24, MRLM21, Xu22, Hun14]. **Explorations** [KB21]. **explorative** [vA06]. **Exploratory** [BBT17, CT04, GG09, Lee21a, PZA16, DRT+12, JW15, LLT09, RJHB12, Yan14]. **explore** [EFL+13, MJMOR11]. **Exploring** [ARZRV16, APR+17, Alg20, AYLW16, BSG+23, BHV+24, BSR24, CY23, CWZ23, DC06, DPK08, DK18, FF23, FGD22, Fre21, GPC23, Gus24, HjKKL23, LHC17, Leu19, LS14, LCW+24, MWA23, Ozd10, PPB18, PDÜA21, RCC22, SIA23, SL21, TT07, VHM22, VC23, WQNC17, WS16, Wil20b, Wil21, ZX20, ZB13, WLSC09, Fre24, GAM+24]. **Expository** [HBF+22, MZC+19]. **Expressed** [CT17]. **Expressing** [OC21]. **Expressions** [SGCA18]. **Extended** [OHLC23]. **Extending** [TLK22, TLK24]. **External** [DNV17, LKC+15, MTMKR23, RVTV20, DVV15, LLWS13, SB09]. **extra** [HBTP13, So16]. **extra-curricular** [So16]. **extracurricular** [BMN16]. **Extreme** [Ron18]. **Eye** [HC16b, Jia19, LW18, SL20, SBK+14, ALA+15, AM14b, CY14, CMME15, HTWT14, Hun14, LL14, YHT16]. **Eye-Movement** [Jia19]. **eye-tracking** [ALA+15]. **Eye-Tracking-Stimulated** [SL20].

**Face** [FLP23, LBF24, TYC17]. **Face-to-Face** [FLP23, LBF24, TYC17]. **Facilitate** [AGW24, Jia19]. **Facilitates** [PP19]. **Facilitating** [CRC22, Che08, Dud17, LLT+20, NAÇE22, YE23]. **Facilitator** [RAL+07]. **Facility** [MOI07]. **factor** [Che12]. **Factors** [AK13, AE16, CS16, FH13, Güv09, HGSL18, JCC20, ÖSY24, PCL18, SEW18, SWDR20, WHH08, ZBB22, GGD15b, HCC15, Hob13, LS14, MR14, SKA11]. **Facts** [KKE+17]. **Faculty** [Ceg21, McG03, MWM05, MO23, Din14]. **Failed** [DBV22]. **Fair** [DRT+12]. **fairs** [DRT+12]. **Fake** [UM18]. **Family** [Ho10, YZK15, MR14]. **FCI** [FB19]. **Features** [BRA+20, BHV+24, LYC04, Wil20a, MMM11, RT10]. **Feedback** [Ols18].

**Feel** [Mer07]. **Female** [AKHT23, BG17, KA19, KRS23, SHM21, WT15]. **Females** [Bin20, RG20]. **Fiction** [ÖÖ23, HPP09]. **fiction-** [HPP09]. **Field** [HC23, HC24, KVB22, LR20, Hob13, MG15b]. **Field-Based** [HC23, HC24]. **Fields** [AKHT23, HSK24, GACZ09]. **Fifth** [AGW24, Erd17a, Erd17b, Yan03, HS14]. **Fifth-Grade** [AGW24]. **fighting** [NPR12]. **Figural** [Wil20a, GCK15]. **Figure** [GAMDV22, GAMDV24, LW18]. **Figured** [SHM21]. **figures** [Pap10]. **Fiji** [CABR06]. **Find** [KL23b]. **Finding** [BHWM20, RBE21, YL22, And14]. **Findings** [Ran06, TM17, ZVV18, ZBH23, Ful15, LC14a, LC14b]. **Finite** [Bar17]. **Finland** [JLU+10, KLJ+13, MTMKR23, SLZ+18, THV+15, TLHV16a, TLHV16b]. **First** [AS22, ACY10, Are12, Bla04, BHA+23, CABR06, Dah17, DC06, KRS23, Kön13, PFFG+18, RCG+11, SS19, Vid15, AC15, DCFC16, NEAC10, RR16]. **First-** [Are12]. **First-Year** [CABR06, Dah17, DC06, SS19, Vid15, AC15, NEAC10]. **Five** [ES09]. **fixations** [AM14b]. **Fixing** [ATN23, AHTN24]. **Flanders** [GV24]. **Flemish** [BVDV13]. **Flexibility** [CGÖ22, DGEP16, HHS+21]. **Flipped** [CK22, Fre21, Fre24, SLV22, WQNC17]. **Floating** [HKSL22, SLC17]. **Florida** [HFVH17]. **Flow** [HHT+20, RG20]. **Flowering** [Lin04]. **Flowers** [RL19]. **Fluency** [JC17, DK15]. **Focus** [KEB21, NvKR+18, NKR+18, Tay18, ZF06]. **Focused** [FYL21, WB20]. **Focusing** [PPCC20, VRFCT+08, YYC04]. **Follow** [Khi23, LLT+20, Wan07]. **Follow-Up** [Khi23, LLT+20, Wan07]. **Following** [LH08, THAD20]. **Food** [PSM+20]. **Footpaths** [Kyl06]. **Force** [Bay09, SV08, AAY15, Ful15, KST09, NSV13]. **Forerunners** [KEB21]. **Form** [Che11, ELRW20]. **Formal** [BRSG20, RTM+20, SMPK+19, SF22]. **Format** [BB17]. **formation** [LCC11b]. **Formative** [CY21, Fos22, GPCB15, KBK+22, jK19, LL06, SMSBZ23, CCN+12, WHA14]. **Formats** [YCH04]. **Forming** [BC05]. **Forms** [LAA+23, RBT20]. **Forums** [Zio08]. **Fostering** [CO22, GOMLS18, SMPK+19, TWS+23, VTV16, KTBG15]. **Fosters** [CIZ+23]. **Foucauldian** [AC20]. **found** [LGS18a, LGS18b]. **foundation** [QM14]. **Foundations** [ÖÖ23, YT22]. **Four** [ABPV20, Bla04, KS21, SCC23, TK22, YDL24, WOB12]. **Four-Tier** [KS21]. **Fourth** [CÖ20, Yan19, Che14, Mor14]. **Fourth-Grade** [CÖ20]. **fplu** [NPR12]. **Fraction** [CG22, DGEP16, GD19, LL21a, NPP16, SWYS24, YC23, CL10, JC10]. **fraction-related** [JC10]. **fractional** [LH14, LS15]. **Fractions** [ELCG24, GFFVV23, KR18b, LL21b, PUR18, Saf18, SP17, ZYJ22, SP15]. **Framework** [AEP22, CMP19, FYL21, GPR+18, JYC21, MC04, VT07b, YL18, Yeo17a, Yeo17b, CBO09, Nyi15, Ols07, PZLR16, VT07a]. **Frameworks** [RH15, TT18]. **Framing** [HK21]. **France** [SV22]. **Free** [BB17, DD23, HHT21, Can14]. **Free-Response** [BB17]. **Freshmen** [BMD+17]. **Frustration** [WT20]. **Function** [DNV17, HE17, PMCG+17,

WBB17, YL22, DDG+12, Mor09a, Mor09b, Nyi15, Voy11]. **Functional** [AAM20, AAM24, HY07, KWMW22, PCM22, DDG+12]. **Functionality** [SWAEKS19]. **functioning** [BSD13]. **Functions** [AWL16, DNV17, EPEG07, GZ21, KŠČ20, SCiB22, AGB14, DVV15, FH12, Lin14a, MMP14, NFB+15, WLSL14]. **Fundamental** [ABPV20, CYT16]. **Funds** [MWA23, CJOC11]. **Future** [ABH17, GSJ+17, LK18b, SEW18, YAC10, YT22, vdWBD17, HWW13, Las13, WT13, WMP+12].

**G** [VT07a]. **G7** [OBH17]. **Gain** [WM19]. **Gained** [OC21]. **gains** [SWA+12]. **Game** [CMK+24, KC20, LLN+21, PP19]. **Game-Based** [CMK+24, KC20]. **Games** [CMK+24, HKS18, TKY20, AAF12, Bra12, FH12]. **Gaming** [ABH17]. **Gap** [CWLH19, ELO08, FG21, GS16, HHS+21, AV06, BTY11, MPB10, ZC15]. **gas** [NY11]. **gases** [APCK12]. **Gender** [AAF17, BWM+24, CCAG22, CWLH19, CGTQ21, FG21, GS16, GG09, HNAA16, HC16b, Ing14, LY10, LLHC23, LLN+21, MRLM21, NSV13, PZA16, SBS+07, TPM19, TH18, TNHK23, VAF12, Wel15, YCH04, ZG08, BTY11, CK14, KB16b, LM12, YHT16]. **Gender-Specific** [CGTQ21]. **Gendered** [Kan23, Sum16a, Sum16b]. **genders** [BRMNH15]. **General** [CY23, KBK15, SGHM15, SGHM16, Kön13, UKM11]. **Generalisation** [Wil20a]. **Generalization** [Ala16, BHWM20, El 21, El 22, TMVC24]. **generally** [WLSL14]. **generated** [NY11]. **Generation** [DIBS22, SD16, Are12]. **Generic** [DK18, Gal22]. **geneses** [GCK15]. **genesis** [Mas15]. **Genetics** [CO18, OBH17, DCFC16]. **Genuine** [TKY20]. **GeoGebra** [JC17]. **Geographical** [ZBE21]. **geography** [MW09]. **geologic** [Che12]. **Geometric** [ABM24, DL22, EGP+09, LW18, LL21b, LY07, MVC17a, Tur22, YL18, AT15, GCK15]. **Geometrical** [BML24, GAMDV22, UE19, GAMDV24]. **Geometry** [AB18, DIBS22, DO23, EH18, GAMDV22, GAMDV24, KJ19, KH06, Ng19, SLK20, TS20, Tur22, AT15, BZST10, CEB12, KRT11, KAC15, LL14, Owe14, Wel15]. **Geoscientific** [LLP+24]. **German** [NvKR+18, BE16, BF23, DKL16, Liu05, NKR+18, vKF22]. **Germany** [AAMU+14, BK13b, Ded15, GBC21, GBC24, HEB11, Las13, MNE12, NFK10, SBR14, YKKB19]. **Gesture** [MCF23, YT20]. **gestures** [KRT11]. **gifted** [WLSL14]. **Giftedness** [HMHG20]. **Girl** [SCB16, WS16]. **Given** [LW18]. **Given-New** [LW18]. **Global** [Cho21, DIBS22, EkB19, CDT+11, MLK+15]. **Goal** [GHL22, HHT+20, KL18a, WAL23, WAL24, LHL+09]. **Goal-Action** [WAL23]. **Goals** [BL21, GDFVCM24, MSdSGG17, hCN18, RR16]. **going** [SC11]. **Good** [MS14, ZBH23, HPP09, Li11]. **Government** [CMM23]. **Grade** [AHO19, AGW24, BSR24, CÖ20, CA21, DÇÖK23, Din18, El 21, EK19, Eng23, ES24, IA08, KÇ18, Lee18, LM21, LK24, ODTS07, Shi18, SA16, SCC23, TLR21, UD18, VC23, WT18, Yan03, YS19a, YS21, ZGZM17, vV16, AR10, Als12, CRR09, CCN+12, CCWL15, DC08, DE15, GGSP10, HY05, JLCT12, JW15, JLU+10, Kau11, LM15, Lee11, Mor14, NCH11, Per20,

PYR+12, SY14, Tig14, Zei10]. **Grader** [AkB21, BBT17, BHA+23, CC05, ES04, FT05]. **Graders** [DA20a, DA20b, Erd17a, Erd17b, PCM22, Saf18, SP05, YnLL08, Yan19, Che14, ES09, HS14, JLC+13]. **Grades** [AAAB16, AWL16, LLHC23, RV17, TMS22, VR23, YHL18, BW10, KKvdW15, VR12]. **Graduate** [DHTA+24a, DHTA+24b]. **Graph** [PL19b, YL22, PMSK+12]. **Graphic** [ÇP17]. **Graphical** [AGBC17, RBT20, WLSL14]. **Graphing** [BB17, KŠČ20, Fer14]. **Graphs** [AkB21, EP21, GZ21, Sha06, VGDD23, WJ07, WS16, Wil20a]. **Grapple** [RJ21]. **Great** [TLK17]. **Greece** [SLZ+18]. **Greek** [BPMK24, GGSP10]. **Greek-language** [GGSP10]. **Green** [BSG+23, KIR12]. **Greenhouse** [Jaf20]. **Ground** [RBE21, And14]. **Grounded** [JYC21, SPF23, YDL24]. **Group** [ABPV20, CFC22, EN08, EGJ09, EKC+21, FHmL18, HK21, KFM+17, OS05, PEK+23, SAK24, MMZ09, VAF12]. **Groups** [Bil06, SWAEKS19, PK15]. **Grow** [RL19]. **growing** [AV06, MRA10]. **Growth** [KEB21, LBBE22, Lin04, NAÇE22, RBE21, SP21a, WBM21, YSHC23, LNW22]. **Gucha** [KWO07]. **guess** [FH12]. **guess-my-rule** [FH12]. **Guidance** [Sty08]. **Guidebook** [NAÇE22]. **guided** [ES16]. **guidelines** [LNW22]. **guides** [LCC11a]. **Guinea** [PTW05].

**H** [HL07]. **H.-J** [HL07]. **habits** [ÇTC14]. **handling** [KLR23]. **Hands** [HHT21]. **Hands-On** [HHT21]. **Happy** [DBV22]. **hard** [SC11]. **Hardiness** [TLT21]. **Harmony** [SWDR20]. **Hate** [LJ16]. **Having** [HC16a]. **Hawai'i** [Kuw13]. **Hawaiian** [Kuw13]. **hazard** [BHS15]. **Hazards** [LLP+24]. **Head** [WwLD+15]. **Health** [YZK15]. **hearing** [IK14]. **Heat** [AGW24, TKY20, VGDD23, YLTO21, WCY16]. **Heavens** [Liu05]. **heavier** [PMLC15]. **Hegelylacan** [BC06]. **held** [CLY10]. **Help** [KP18, Lin05b, Sum16a]. **Helping** [ELRW20]. **Heritage** [TH19]. **Hetero** [NSH24]. **Hetero-luminous** [NSH24]. **Heterogeneous** [SMZ06]. **Heuristic** [KK22a, KJ19, Lor05, SLV22, Yam18, NCH11, Oh11]. **Hidden** [AKHT23, HbK19, KYA13b, KYA13c]. **Hiele** [ABM24]. **Hierarchical** [JML21, NPP16]. **Hierarchy** [Lee18, LLL15]. **High** [ABAHA23, AYLW16, Ari18, Ari24, Bal18, CC18, DAO+11, DO23, HLT22, Hsu19, LE06, Law05, LFF03, LLW+20, LZL+18, LYL23, Lin04, LC23, LLL22, LDG20, MH17, MSdSGG17, MSAGHMNG19, MSGGVZDF20, MFG+21, NHLS08, hCN18, PT23, QVST17, RTC22, SEW18, STD+23, Saw19, Sha06, STC12, SMSBZ23, TLT21, TT18, TYC17, UM18, WL18, WT20, WO19, WS16, XC21, YCL04, YWF20, vV16, ARZRV16, Als12, BSA+14, CTGS15, CK14, CWZ23, CMME15, DMNH11, FH13, GCS10, HBTP13, HCC15, Kuw13, LLT09, MS14, MIJJ15, MMZ09, NY11, ÖDC09, RCT+11, RRW11, RVG15, SWA+12, Wai14, Wel15, ZKS+05]. **High-** [LC23, WL18]. **high-achieving** [ARZRV16, Als12]. **High-Context** [QVST17]. **High-Performance** [ABAHA23]. **High-School** [NHLS08, DMNH11]. **Higher** [BG17, BF23, DWM16, NOVRR22, SCC23, WCB23]. **Highway**

[LC23]. **hinders** [BES12]. **HistCite** [TYW+17]. **Historical** [GYU24, MNBZH+05, SB21]. **History** [CCL22, Das05, GYU24, JMS16, Koy23, Liu09, MVC17a, MVC17b, VRFCT+08, dFAN13]. **HLT** [CPTMSM22]. **Hold** [Lin16a]. **holism** [Lui13]. **Holistic** [AKD+19, CPF24]. **Home** [DF22, Fun21, SMPK+19]. **Home-learning** [DF22]. **Homework** [BFH19, CCL22, ZL12, AW12, Kau11, KSE16, TSO16]. **Hong** [Che14, FHmL18, Fun21, FL23, Ho10, KFM+17, LM15, So03, WO19, YCH04, YT07, ZBL+16, ZL12]. **Hope** [Sum16a]. **Horizontal** [YL22, Kid11]. **Huang.** [HL07]. **Human** [CGERBL18, HbK19, PH19, Wan04, And14]. **Hybrid** [EHM19, LJ20, WS16]. **Hybrids** [NK04]. **Hypothesis** [LOJ08].

**ICT** [DFR06, DFR06, KV10, MH17, TC07]. **ICT-Rich** [MH17]. **Idea** [FMOMG16]. **Ideas** [CCCN17, EY23, KNF+20, NSH24, NK04, SCSK19, YJY08, BS15, LsL14, MG15a]. **Identification** [Chi12b, LHY24, SAPM22]. **Identify** [LL06, PL19a]. **Identifying** [BR23, BWO20, HjKKL23, KAK+20, Lee18, LLT09, Ön21, ÖSY24, PN18, TWS+23, WwLD+15, YDL24]. **Identities** [EHM19, GB22, HMHG20, LdCCK21, CWZ23, TC09]. **Identity** [BWM+24, CIZ+23, GAM+24, LK18b, SHM21, WBM21, WFPC04, WKG20, FD12, Hob13, KHL12, MBF13, MDT13]. **III** [WQNC17]. **ijsme** [HIS+16, HISH16, Lin12]. **iks** [dFAN13]. **Illusion** [KW23]. **Illustration** [SWAEKS19]. **im** [Lui13, LdCCK21]. **im/pure** [Lui13]. **Image** [Dah17, HY07, YLTO21, CTT+11, RT10]. **Image-to-Writing** [YLTO21]. **Images** [TT22, Ulu21, ARZRV16, AB13, MJMOR11]. **Immersion** [CMK+24, AAY15]. **immigrant** [Are12, AK13]. **Impact** [AVT16, AKA18, EB20, HL04, Kul18, LAN20, LBP+24, LHC17, Lin17, LTD+18, MRJ+21, MMR15, OHLC23, OL14, Saw19, SCSK19, SW14, TH19, TKDD19, WESS23, Yük14, ZPW+24, EGP+09, Gok12, HCC15, Mor14, NFK10, OBF15, SKA11, SG15, ZC15]. **Impacts** [AK17b, Kuw13, MIJJ15]. **impairment** [IK14]. **Impartialists** [KKE+17]. **impetus** [CA14]. **Implement** [Che08, AH11]. **Implementation** [ANLL21, BBT24, Dud17, KK22a, Lor05, MTMKR23, MMA05, NCH11, OS05, RL19, WESS23, CTGS15, HFWY14, MAL+11, Mor14, OS10, RCG+11]. **Implementations** [FF23]. **Implemented** [Bea22]. **Implementing** [CCCN17, FYL21, Fos22, HKS18, KHNV20, jK19, KFM+17, LB08, Lee16a, Wil21, SIS+11]. **implicated** [FH13]. **Implication** [JMS16]. **Implications** [BdSSC16, GSO+17, MFG+21, RV17, Sha06, VR23, WFPC04, FG14, Ko10, KB14, RB13]. **implicit** [EVV11]. **Importance** [KL18a, BNH+15, HEB11]. **Important** [KRU19]. **Imposers** [KKE+17]. **Improve** [CCL22, DWM16, DLD18, HmYB07, BS15, TC09]. **Improved** [TSC17]. **Improvement** [CMK+24, HHT21, OO12]. **Improving** [BK13b, HP11, KÇ18, MSA17, SML24, TKY20, ÇAC09, Rut11]. **In-Class** [CH20]. **in-depth** [VR12]. **In-Service** [ANLL21, CBR21, KR18b, LTM18, VA21, XC21, BSG+23, VBACCG22, KLJ+13]. **including** [HBTP13, PC13]. **Inclusion** [BC06, LBF24, Ram24, dFAN13]. **Inclusive**

[MO23, Saw19, SJL20, CTT+11, MMZ09]. **Incoherence** [Miy08]. **Incommensurability** [Kaw07]. **Inconsistencies** [ZGZM17]. **Incorrect** [BHA+23, GFFVV23, Ron18, Ron20]. **increasing** [NWD11]. **Incremental** [LS23]. **Indexical** [SGCA18]. **Indian** [CDT+11, NRKR13]. **indicators** [BSLM16, PSC+13]. **indigene** [CLY10]. **Indigenous** [HASR24, KYA13b, KYA13c, ATG13, GS13, MDT13, Web13]. **Individual** [RTM+20, SEW18, TLHV16a, TLHV16b, LTT06, LS14]. **Indonesia** [BSA+14, MOdBB12, RCT+11]. **Indonesian** [ELY15, RK10]. **Induction** [BHD+15, AC15, PPS12]. **Inductive** [VC23, NEAC10]. **Industry** [BC05]. **inequality** [Kni10]. **Inference** [vDDDB22, CMME15]. **Inferential** [HBF+22]. **Infinite** [Bar17]. **Infinitesimal** [Par07]. **Inflection** [Jon19]. **Influence** [CCW16, CYT16, Das05, DJE17, HLT18, KRV+22, KVB22, Mea07, ÖSY24, Pet22, PD17, RH17, RMR22, SR21, SH24, SGCA18, SG24, TYC17, HGK11, Ing14]. **Influences** [CK14, KH06, LFM+19, VVR24, Ho10]. **Influencing** [JCC20, GGD15b]. **Informal** [CY21, DJB15, KR18a, MRJ+21, SZCL18]. **Information** [DFR06, KVB22, LCA16, LF17, Su08]. **Informed** [HHS24, MVC17a, MVC17b]. **Informing** [DCFC16, OHMW21]. **informs** [Ols07]. **infused** [HIS+16, HISH16]. **inheritance** [DCFC16]. **Inhibition** [MZC+19]. **inhibitory** [BES12]. **Initial** [BTJA18, GC21, TSKIB22, KGA+11, Kön13]. **Initiative** [HL04]. **Innovation** [GT19, XFH23]. **Innovations** [LTT+19]. **Innovative** [MDF08, SF05, VB20, BK13b, Hal12]. **Inquiry** [AOZ09, AMG16, BWK+19, CWLH19, Che08, DIRTBP24, DÇÖK23, Dog21, DHTA+24a, DHTA+24b, Dud17, Fan21, GC19, HDvJ21, IAS17, KD09, Kim22, KH08, Koh19, KTC19, LBBE22, LLC+16, LLP+24, LTD+18, Ma23, MHIS09, MSA17, PH19, Pet22, QVST17, SLV22, TPS21, TYC17, TKS18, WL08, Wan20, WSW+08, Zio08, AMBLL16, BRMNH15, CCG+11, CS15, CKH15, DMNH11, ES16, FD12, HTWT14, KLJ+13, KTBG15, LYP14, MSH10, MBF13, Mor14, Oli10, OEMZ12, SCS+12, mS13, So16, WWTC10, ZKS+05]. **Inquiry-Based** [AOZ09, AMG16, Dud17, HDvJ21, KTC19, Ma23, MSA17, QVST17, SLV22, TYC17, TKS18, Wan20, Che08, FD12, HTWT14, MSH10, Oli10, OEMZ12, SCS+12, WWTC10, ZKS+05]. **Inquiry-Oriented** [LLC+16]. **Insights** [CO18, DL22, IK18, KH06, LSW19, LG13, MCF23, OC21, SL20, YT22, AV06, TOV12, TRF05]. **Institutional** [SF22]. **Institutions** [BMD+17, Kuw13]. **Instruction** [AMG16, BBT17, CY23, CA21, FLP23, Fun21, Hua17, KTC19, LdCCK21, LTD+18, MH17, MSA17, MWM05, PL15, PUR18, Sch14, TR21, TY23, Tho22, Wan20, WQNC17, WFK+16, YZK15, YKJ20, YT07, ZYJ22, AT15, CMME15, DBS15, GN08, Gok12, Gok15, LLWS13, LM10, LYP14, MSH10, Tan11, TT14, VR12, WWTC10, Yük14]. **Instructional** [CL10, ED23, HKS18, HCBS18a, HCBS18b, JLC17, JH24, jKMH20, LNW22, LL05, LTT+19, MMZ09, OGY24, ÖÖ23, PEQS24, RB09, SCG+19, TDE18, CKH15, GACZ09, RCT+11]. **Instructions** [Ano03b, Ano03c, Ano04a, Ano04b, Jia19, UE19]. **Instructor** [KBK+22].

**Instructors** [PZA16, SML24]. **Instrument** [AMFC21, HZL22, TKS18, Wan04, WCG09, YHL18, ELY15, GDSD10, MSH10, RSPK14, WLJ14]. **instrumental** [GCK15, Mas15]. **Instruments** [BB17]. **Int** [LGS18a, LGS18b]. **Integer** [BF19]. **Integers** [VVR24]. **Integral** [JLC17, LLT+20, MMP14]. **Integrals** [KL23b, Ön21]. **Integrated** [BV24, BB19, CIZ+23, Cor17, DBV22, GT19, GYU24, HGSL18, MRC23, SIA23, SH24, Su08, TKDD19, WL22, BW10, KB17, VRW05, WCG09]. **Integrates** [MF05]. **Integrating** [BJ10, LBP+24, LW18, LLP+24, RV17, Shi22, Tho22, TPK+23, VB20, VR23, WSC22, ZSW+21]. **Integration** [BB19, CD23, EK19, FF23, HY07, JLC17, LL23, SHM21, Saf18, WESS23, ZTW23, BW10, CS15, DFR06]. **integrative** [KG15]. **Intellective** [EHM19]. **Intellectual** [TWC+16, WL21]. **Intelligences** [HHT21]. **Intelligent** [Shi22]. **Intended** [ZF06]. **Intensive** [AKHT23, HNB11, MW09]. **Intention** [HCH16, LW16, LLL22]. **Intentions** [AMG16, PUR18]. **Interacting** [KRS23]. **Interaction** [PEQS24, AH11]. **interactional** [RB13]. **Interactions** [ABH17, GB22, GHS+18, HKS18, LFF03, SB21, SAK24, SLZ20, SGHM15, SGHM16, YKUIB17, KST09]. **Interactive** [KRV+22, TA15, OL14]. **Interactivity** [AVT16, RVTV20]. **Intercultural** [CMP19]. **Interdependency** [KL18b]. **Interdisciplinary** [VR23, YHL18]. **Interest** [CCAG22, CIZ+23, HLKK23, HSK24, JLL20, KKS+19, KST+23, KRU19, MRJ+21, RTM+20, SKS+23, SLL+20, Uit14, LAMV12, RSPK14]. **interests** [BTY11, HBTP13]. **Interference** [AKD+19, BBST06, PMLC15]. **Interindividual** [TLHV16a, TLHV16b]. **Interlocked** [Can14]. **Internal** [Wan04]. **International** [ALT+07, Ano12a, Ano12b, MC04, PRW+07, SLZ20, ACY10, Hsi13, LCC+09, Rut11, SYOL05, SYOL07, HL07, SYOL07, VT07a]. **internship** [RRW11]. **interpersonal** [MOdBB12]. **Interplay** [BML24, Rot20, Sum13, AM14b]. **Interpret** [KNF+20, LKC+15, SS18]. **Interpretation** [ÇP17, HSH22, LL21a, OÇ08, PUR18, WJ07, Xu22, AR10]. **Interpretations** [WS16]. **Interpreting** [GT19, Sha06, YKUIB17]. **Interrelationship** [HLT22]. **Intertwined** [VCSA+23]. **Intervals** [GFCG18]. **Intervention** [LKC+15, Pet22, SMPK+19, WWM+24, Yan03, BZST10]. **Interventions** [Hua17, IV24]. **Interview** [FF23, JHWW16, Lee21a, SL20, WMS13]. **Interviews** [CY21, LLT09, WHA14]. **Introducing** [vDDDB22, GACZ09]. **Introduction** [Ano12d, Ano13, BV24, BHS13, FHmL18, LGS17b, LGS18b, YPT07a, RR11]. **Introductory** [BCC06, YDL24, Din14, SVME15]. **Intuitional** [Güv09]. **Intuitive** [BBST06, EK18, Ron20, SBT+06, Bab10, BES12, PMLC15]. **Invalid** [DB17]. **Invariance** [KL23a]. **Invention** [WJ07]. **Inventory** [STD+23, SV08, BHSC10, Ful15, LH16]. **inverse** [DVV15]. **Investigate** [BHA+23, CY21, CC05, LJ16, LL05]. **Investigating** [AAF17, Bea22, ÇAC09, CT18, CABR06, DK15, DNWC18, El 21, GYU24, KAC15, MA21, MPB10, OBF15, SBR22, Shi22, Sty08, Sum16b, TYC17, WSZ23, WSZ24, WWTC10, WMS13, Wil20a, YKC18, ZSW+21, PK15]. **Investigation** [AkB21, DB17, Eng23, FB06, HCBS18a, HCBS18b, Liu05,

NSH24, Ng20, OS05, OBH17, SWDR20, TLK17, TT18, WT20, WCC19, YS19b, rSY19, CVCV11, Gok15, JW15]. **Investigations** [CWW11, So03, vA06]. **Investigative** [MH17]. **Involved** [AM04]. **Involving** [RB09, RH19, SCC23, WK09, JW15, LS15]. **Ionisation** [TT07]. **ions** [WP12]. **iPad** [LJ16]. **iPads** [Hil18]. **Ireland** [GCS10, GV24]. **irregular** [Pap10]. **Island** [BSA+14, TVC03, SC03]. **isolated** [BSA+14]. **Israel** [BSG+23, FLP23, HCBZ03, HEB11, MNE12, SY22]. **Israeli** [BRMNH15, DE15, ES24]. **Issue** [Ano12d, Ano13, BKC15, BL21, Cor17, LGS17b, LGS18b, SBS+07, BHS13, HIS+16, HISH16, RR09]. **Issues** [Cho21, ELRW20, EY23, JHWW16, KR18a, KKL20, LB08, Leu22, Sas19, Sea16, TSC17, YZK15, YUG24, YJY08, ÇTC14, CYK+16, CJOC11, HEB11, LM10]. **Item** [Lee18, YCH04, BHSC10, BSD13]. **Items** [GPC23, HMM22, KK22b, KLH15, PB19, DL12]. **Iterative** [SG24].

**J** [HL07, LGS18a, LGS18b]. **Jakarta** [RL19]. **Jamaican** [ES04, ES09, SP05]. **Japan** [TS20]. **Japanese** [Kni10, MOI07, RK10, SBS+07, UM18]. **Jewish** [EHM19]. **Job** [ZPW+24]. **Johannesburg** [Kyl06]. **joined** [MNE12]. **Jordan** [AAMU+14]. **Journal** [Ano12a, Ano12b, HL07, SYOL07, VT07a]. **Journaling** [Lil07]. **Journals** [FI19, Lee21b]. **Journey** [SG09]. **Journey-** [SG09]. **Judge** [DD23]. **judgement** [JSP15]. **Judgements** [Mea07]. **Judging** [Yan19, YS19a]. **Junior** [FF23, Fun21, PB09, UM18, WO19, Wil21, YCL04, WP12]. **Justification** [ES24, HEB11, TBT+10]. **Justifications** [DE15, LL05].

**K-12** [VHM22]. **Kenya** [Bag11, GN08, KWO07, KB16a]. **Key** [JWR20, PFCM23, Che12]. **Keywords** [KWMW22]. **Kindergarten** [CPTMSM22, HFWY14, TM17]. **kinetic** [TCC+10]. **Kinetics** [HP21]. **Know** [BRR+22, AB14]. **Knowing** [AVM16, RB13]. **Knowledge** [ASR19, APR+17, BDM21, BHD+15, BPMK24, BWO20, BSR24, CCW16, CA21, CO18, CEB12, CFC22, CG22, DRZ20, DJB15, EVV11, ES04, ELCG24, FL06, Gub16, HTCS19, HNAA16, HE17, HFVH17, Hua06, KČŠ23, KR18b, KB16a, KÇ18, KLH15, Koh19, KBK15, Kul18, LL06, LTM18, LTCCY07, LY07, LLN+21, LDG20, LK18a, Mad22, MWA23, MQ07, PL19b, PSM+20, Saf18, SGCS23, SMG+19, SB09, SC21, Shi21, TBP17, TCH+17, UE19, WCC19, YKB21, YAC10, YWF20, vV16, AW12, BSD13, CJOC11, DFR06, DW15, ELY15, Eme09, FNW24, HTWT14, Hsi13, HY05, HL07, JLCT12, Kid11, KRT11, Kön13, KV10, Las13, LH14, LCC+09, Lin14a, Lui13, Maj14, Nyi15, OBE12, WLSN14, Wai14, WWTC10, Web13, Yük14, ZB13]. **Knowledge-Based** [Shi21]. **Knowledge-Integration** [Saf18]. **Kong** [Che14, FHmL18, Fun21, FL23, Ho10, KFM+17, LM15, So03, WO19, YCH04, YT07, ZBL+16, ZL12]. **Korea** [KYJS12, KK22b, SBN14, SBN16, WL22]. **Korean** [CMP19, HK10, JMS16, KB17, LFF03, Lee11, MLK+15, OS05, PL19a]. **Kosovar** [ETG16]. **Kuwait** [Ebr12]. **Kuwaiti** [AR10, Ala16, AMG16, Jaf20].

**Lab** [TSMW16]. **Laboratories** [LBBE22, BJ10]. **Laboratory** [CT17, CHC16, Che08, KD09, KAK22, KH08, LLW+20, SAK24, TYW+17, BRMNH15, DMNH11, KIR12, Mas15, MIJJ15, ÖDC09]. **laboratory-based** [KIR12]. **Labs** [SG24]. **Lack** [HLKK23]. **Lakatosian** [Oh11]. **Language** [BF19, CGR17, GHS+18, HP24, HNMGA16, Hua06, HILAT16, Kaw07, KWMW22, LJ20, NP23, PSM+20, PB09, SMPK+19, Sea16, SC21, WS16, Ale14, DBS15, GGSP10, HL07, IK14, OO15]. **Language-Responsive** [NP23]. **Languages** [El 22, Fun21, LP11]. **Lanka** [AKA18]. **Lankan** [CEB12]. **Large** [AFG21, ALT+07, Din18, Lin17, SG24, ZVV18, Che12, KBY11, NFK10]. **Large-Scale** [Din18, ZVV18, ALT+07, KBY11]. **Last** [BF23]. **Latent** [KL23a]. **Latin** [MJ18]. **Latvian** [Šap13]. **law** [TC09, Maj14]. **Laws** [McC03, NY11]. **Lead** [BCV21]. **Leader** [Ama20, BCV21]. **Leaders** [LBBE22, VHM22]. **Leadership** [HCBZ03, YWG21, BK13a]. **Leaky** [ATN23, AHTN24]. **Learn** [And03, AKA18, BRR+22, Bro22, HmYB07, Hon23, jKMH20, hCN18, HS14, WT13]. **learned** [Ho10]. **Learner** [CRC22, Eme09, GB22, OÇ08, PSM+20, SP05, TT07, AB13, FL11]. **Learners** [Ble09, Gal22, GHS+18, HILAT16, HM22, KEB21, NHLS08, PB09, SWYS24, ZPW+24, Ale14, BL09, WD12]. **Learning** [AT07, AYLW16, ALT14, AM04, AK17b, ABG06, BML24, BAN21, BMN16, BCV21, BBT24, BTJA18, CGERBL18, CTC16, CB16, ÇP17, CCCN17, CHC16, CWLH19, CCWL15, CC18, CIZ+23, CMK+24, CMP19, CABR06, Cor18, CT04, Dhi08, DL12, DJZ21, DLD18, DJB15, EN08, EG17, FCS15, FT05, FLP23, FB06, FHmL18, GGD15a, GSO+17, GHP07, GRWHP19, GJ21, HA07, HNMGA16, HE17, Hew04, HLT22, HMS16, HDvJ21, IAS17, IFL20, JSH+19, JSC24, KL18a, KKS+19, KRV+22, KP18, KA19, jK19, KVB22, KEET17, KTC19, LE06, Lau22, LL06, LB08, LLW+20, LKC+15, LBBE22, LZL+18, LCTK24, LM10, LWZ+24, LdCCK21, LCW+24, MRJ+21, MNBZH+05, MSA17, MDF08, MZC+19, MVC17b, MBBR08, MN23, MFG+21, NAÇE22, NLW16, NF20, Own06, Own10, PSO17, PP08, PH18, QCH23, QHS+20, RTC22, RGC08, Rol19, RTM+20, Saf18]. **Learning** [SBM12, SD22, Shi18, SLCK19, SY22, So03, SZCL18, SJL20, SLZ+18, SGHM15, SGHM16, Su08, SG24, SMZ06, SMSBZ23, TLT21, TAC19, TCC+24, TDBLY16, TDE18, TKY20, TKS18, TS04, UFW17, VCSW20, VBACCG22, WSZ23, WSZ24, WL18, WT20, WWM+24, WD12, WSA07, Wil21, WCG09, XC21, YZK15, Yan03, YT20, YLTO21, YS19b, YT07, ZBL+16, ZYJ22, vDDDB22, ATG13, AAMU+14, And14, AE10, BSA+14, Bra12, BNH+15, CCG+11, CWW11, CRR09, CY14, Chi12b, CJOC11, Cro09, DF22, DCFC16, Ebr12, ETG16, Ful15, GGSP10, GDSD10, HCC15, Ho10, HYC+16, HIS+16, HISH16, JLC+13, KYJS12, Lin06, LHL+09, LT11, ME13, MDT13, NPR12, NSV13, OdC15, OL14, Ozd10, PZLR16, PYR+12, RCG+11, Šap13, SB09, SCS+12, SLW10, SW14, TSA12, Tig14, TT14, TC09, TRF05, VAF12, VTCvS14, WKL23, YFL15, Zei10]. **learning** [Zei15, ZB13]. **Least** [BF19]. **Lebanese** [KB16b, OBH17, RJHB12, SB17]. **Lecturer** [DRZ20]. **led**

[BB09]. **left** [GLY09]. **left-behind** [GLY09]. **legitimate** [dFAN13]. **Length** [CPTMSM22, GFCG18, HHH+23, SA16, TSA12]. **Lens** [MWA23, Ng19, EFL+13, HYC+16, TDBLY16]. **Lesotho** [Mor09a, Mor09b, QM14]. **Lesson** [APR+17, GYU24, HHS24, KLR23, Leu19, LSK18, SLV22, SE22, Tay18, FL11, GDSD10, KB17, Li11, RL12, VTCvS14]. **Lessons** [DF22, ED23, JWR20, KST+23, jK19, LAN20, RA17, Rot20, RH19, vKF22, CL10, JWXvD23, NN11, PDG15, RL12, WLSN14]. **Letters** [AAM20, AAM24]. **Level** [ABM24, BG17, CT18, DAM19, FF23, Fre21, Fre24, HSMO06, HP24, HMC19, KB16a, KK24, LHC17, RML22, TNHK23, AAF12, AÖÇ10, Bab10, LM10, ME13, Mor09a, Mor09b, Pet13, TT07]. **Levels** [ABAHA23, CA21, Lee18, NPP16, TLHV16a, TLHV16b, VC23, FG14, LLWS13, PMLC15, RK10, STC12, WLSN14]. **Lever** [XFT21]. **Leverage** [KL23b]. **Life** [BdSSC16, Gov17, GRWHP19, IK18, KN22, Ram24]. **Light** [AKD+19]. **Like** [ABAHA23]. **Likert** [SWAEKS19]. **Limit** [Hon23, KL18b, EGP+09, Kid11, Mor09a, Mor09b]. **limited** [IK14]. **Limits** [Bar17, Par07]. **Line** [AkB21, PL19b, YC23, PMSK+12, Zio08]. **Linear** [GZ21, KAK+20, SGCS23, Tur22, WBB17, AGB14]. **Lines** [GAMDV22, GAMDV24, PUR18, Wil20b]. **Linguistic** [HHH22, OHMW21, WJ07]. **Linguistically** [SWYS24, SWAEKS19]. **Linguistics** [HY07, KWMW22]. **Link** [BKMK24, KC22, LL21b]. **Linking** [MOI07, Wat17, WLSN14]. **Links** [BC05]. **Liquid** [TK22]. **List** [SP21a]. **Listen** [GLY09]. **Listening** [Hua06, HL07, LLC+15, LL17]. **Literacies** [CYT16, vdWBD17]. **Literacy** [AkB21, BE16, BMD+17, CO18, CC05, CC16, ELRW20, GV24, HCBS18a, HCBS18b, KC22, KVB22, Ler07, Ma23, Mea07, OBH17, RV17, SSS18, TR21, VB20, VTV16, WK08, WFK+16, YKJ20, YTHH22, YCH04, YPT07b, CP12, LS14, MLK+15, SC14]. **Literature** [CD23, JRS22, LL23, MF05, WSC22]. **live** [Din14]. **Load** [LWZ+24, LL14]. **local** [Wel15]. **locating** [HT13]. **Lockdown** [DF22]. **Logical** [BRSG20]. **Long** [CTC16, Din14, TOV12]. **Long-Term** [CTC16, TOV12]. **Longitudinal** [HC16a, KH06, SBR22, Saw19, SCDC21, BC11, BK13b]. **Look** [CGBD23, ERdDS20, CK14, Lee16b]. **looking** [Hun14]. **Love** [Bin20]. **Low** [ABAHA23, AKHT23, CHC16, Fos22, HFBM24, KTC19, LC23, WL18, CMME15, DAO+11, GCS10, HCC15]. **Low-** [ABAHA23]. **Low-Attaining** [HFBM24]. **Low-Spatial** [LC23]. **Low-Stakes** [Fos22]. **Lower** [AC20, HDvJ21, KHNV20, TS20, TCH+17, EK09]. **lower-achieving** [EK09]. **Lower-Secondary** [HDvJ21]. **LSAY** [JCC20]. **Luminosity** [NSH24]. **luminous** [NSH24].

**M** [SYOL07, BSD13, WT13]. **M.-K** [SYOL07]. **Macao** [WO19]. **machine** [Mas15, WKL23]. **Machines** [KEET17]. **Macro** [PFCM23]. **Macroscopic** [ELRW20, RK10]. **magnetic** [GACZ09]. **Magnetism** [NEAC10, TDW+17, Gok12]. **Magnitude** [CG22]. **Mainland** [LYL23, WO19, ZSW+21, ZBL+16, ZF06]. **Mainstreamed** [NAÇE22]. **Major** [Dah17, SWDR20, WB20, BHS15]. **Majors** [WlCC+18, Lin14a].

**Make** [DD23, Hil18, JLO18, KBK15, ZG08, CBDV10, SLES09]. **Maker** [SJL20]. **Maker-Centered** [SJL20]. **Makerspace** [OHMW21]. **Makes** [LYY07, SMG+19]. **Making**
[AK17a, BTJA18, DJZ21, FHL19, HHT21, JWR20, LJ20, Leh22, LLL22, NF20, RMR22, SP17, SW23, TM17, CBO09, EFL+13, RT10, WD12]. **Malaysia** [IA08, KIR12]. **Malaysian** [BFH19, LP11, SCC23]. **Male** [BG17, KRS23, WT15]. **Management** [SGHM15, SGHM16, BHMO14]. **Mandatory** [KGM24]. **Manifest** [AKA18]. **Manipulating** [RVTV20]. **Manipulative** [UE19, UFW17]. **Manipulatives**
[LK24, VVR24, WT18, LY10]. **map** [Oh11]. **Mapping**
[BCC06, FL23, JW15, KWO07, TLK22, VWH+17, LLT09, ÖDC09, TLK24]. **Marriage** [DBV22]. **Mastery** [SW23, CWW11]. **Match** [SLCK19]. **Materialist** [NF20]. **Materials** [CCL22, KRV+22, KP18, Sty08, OS10]. **Math** [AKHT23, BB19, GR21, GDFVCM24, LGS18a, LGS18b, MB21, PZA16, QHS+20, RM24, SLZ20, SK17, SP21b, UM18, WlCC+18, YKJ20, BJ10, DE15, KKvdW15, KB14, Lee16a]. **Math-Intensive** [AKHT23]. **Math/Science** [WlCC+18]. **Mathematical**
[Aky16, AS22, Ama20, Bea22, BÖL23, BF23, CPTMSM22, CL20, Chi09, CMK+24, CGTQ21, DHB19, DD23, DG19, DA20b, DJE17, GB22, GAMDV22, GAMDV24, GOMLS18, Gus24, HNAA16, HE17, HMHG20, HMC19, HCBS18a, HCBS18b, IFL20, JC17, JSS17, Joh16, KL18a, KRV+22, KC20, KB16a, KL18b, jK19, Koh19, KH06, KFM+17, LK22, Lau22, LBF24, LLP19, Lee21b, LLT+20, LR08, MSdSGG17, MSGGVZDF20, Mea07, NK04, Ols18, PEK+23, PN18, PB19, RML22, Sum13, Sum16a, Sum16b, TMS22, VWH+17, VGDD23, WSW+08, Wil20b, WwLD+15, YKC18, YE23, Yeo17a, Yeo17b, YPT07b, ZG08, vV16, AH11, Bra12, DPK08, Fer14, HL13, JSP15, KHL12, LM15, LS15, LLWS13, Lin06, PPS12, PC13, Voy11, vdWBD17, DA20a]. **Mathematically** [LTT06, LG13]. **mathematically-talented** [LG13]. **Mathematician** [YMZ22]. **Mathematicians** [AC20, ARZRV16]. **Mathematics** [AN18, AVM16, AC20, AVT16, ABPD16, AMFC21, AS22, AL22, ALT+07, ALT14, ABPV20, And03, Ano12a, Ano12b, Ari18, Ari19, Ari24, AE10, ANLL21, BRA+20, BFH19, BKMK24, BJT23, Ber19, BCV21, BCO22, BWO20, Bro22, CJ17, CTC16, CD23, CK22, CCCN17, CC16, Cor18, Cor17, CBR21, DF22, Ded11, DRZ20, DB17, Dog12, Dog16, DNWC18, DKL16, DJE17, DJB15, EHM19, El 22, EkB19, ES08, ED23, ERC03, ES24, FCS15, FTWC18, FI19, Fos22, FB06, Fre21, Fre24, GPC23, Gao20, GBC21, GBC24, GR21, GYU24, GG09, GPCB15, GSJ+17, GHL22, Güv09, HTCS19, HjKKL23, HHJR21, HAÇ24a, HAÇ24b, HKS18, Hil18, HFBM24, HYL23, HLT18, HL07, HDvJ21, HCH23, IV24, IA08, JLO18, Jao17, JRWB23, JSRP20, JWR20, JRS22, JMS16, KC22, KL23a, KČŠ23]. **Mathematics**
[KLR23, Kau11, KEC23, Kil18, KD22, jKMH20, KLH15, Ko10, KN22, KBK15, KRU19, Kot16, Koy23, KEB21, KK24, LAN20, LR20, LBP+24, LJ16, Lau22, LOJ08, LHC17, Lee21a, Lee21b, Leh22, Lem21, Len06, LTT+19, LTT+21, Ler07, Leu05, Leu19, LTCCY07, Lin05b, LW16, Lin17, LLN+21,

LdCCK21, LCW+24, LKL20, Lui13, LK18b, MSS22, MK23, MCF23, MHIS09, MSAGHMNG19, MSGGVZDF20, MSAGHM22, McG03, MWM05, MRLM21, MKSK16, MF05, MC04, MN23, Ng10, NLW16, hCN18, Ng20, NF20, NDD14, OL08, OE19, Oro16, OGY24, PP08, PP15, PSB19, PRW+07, PFCM23, PA22, PD17, RH17, RS24, RJ21, RL19, RAL+07, RBE21, RA17, SCG+19, SGCS23, SS18, SV22, SMG+19, SL20, SLK20, SMPK+19, SCDC21, SML24, SE22, SAA18, SSS18, SYOL07, Shi21, SS21, Shi22, SBN16, SF05]. **Mathematics** [SS19, Sty08, SMZ06, Sum20, SCC23, SMSBZ23, TH19, TLK22, TLK24, TCC+24, Tay18, TCH+17, TLR21, Tho22, TSP16, TPS21, Tsa06, TYC17, TLHV16a, TLHV16b, TNHK23, TPK+23, TS04, Ulu21, UD18, UFW17, VRFCT+08, VA21, VBACCG22, Vid15, VT07a, WM17, WAL23, WAL24, WKG20, WHC17, XC21, YMZ22, YnLL08, YKKB19, YKB21, YKUIB17, YT20, YSHC23, YT22, Yor23, YWG21, ZBL+16, ZYJ22, ZVV18, ZX20, ZBH23, ZF06, ZK20, ZTW23, ATG13, AAF12, AV06, Ama16, AW12, ALA+15, Are12, Bag11, BHS15, Bay13, BW10, BC11, BK13a, BAV+11, BK13b, Bur10, CGR13, CPMSW11, Cha10, CTGS15, CK14, CL10, CCN+12, Che14, Chi12a, Chi12b, CBT+12, CMME15, Cro09, DBS15, Ded15, DK15, ELY15, EK09, FH13, Fos15, GCS10, GN08, HCC15, HGK11, HP11, HNB11, Hsi13, HWW13]. **mathematics** [HIS+16, HISH16, HFWY14, Ing14, JWXvD23, KHL12, Kaz14, KGA+11, KG15, Kni10, KK16, KKvdW15, Kot10, KAC15, Las13, LY10, Lee11, Li11, LP11, LHL+09, LH16, Liu09, LM12, MW09, MS14, Mas15, MMK11, MOdBB12, MP10, NFB+15, NWD11, OO15, OS10, Owe14, PDG15, PV14, Pet13, PMSK+12, RB13, RR11, RHM+11, RRW11, RR09, Rut11, Şah10, Šap13, SIS+11, SBN14, mS13, TSA12, THV+15, VTCvS14, WLSL14, WOB12, WT13, WKL23, WD12, WLSC09, WMP+12, Yan14, YL08, Yük14, ZS11, ZL12, ZB13]. **Mathematics-Related** [LK18b, TLHV16b, HWW13]. **Mathematics/Science** [Cor17]. **Mathematization** [Nis17, BJ10]. **Maths** [LJ16]. **Matrix** [ERdDS20]. **Matter** [CT18, ES04, Gub16, LAA+23, LH08, PH18, SD22, SAA18, TKY20, WHH08, AÖÇ10, BPG11, DW15, PYR+12, RK10, TCC+10, TSP12, WT15]. **Matters** [PN18, WM19]. **Maximize** [SMZ06]. **May** [GSJ+17, JLC17]. **MBL** [BJ10]. **McGill** [IAS17, SCS+12]. **Me** [LdCCK21]. **Mean** [KL23a, SRSD23, Jac12, MSK22]. **Meaning** [LJ20, VGDD23, EFL+13, RT10]. **Meaning-Making** [LJ20]. **Meaningful** [HMS16]. **Meanings** [AAM20, ERdDS20, PFFG+18, AAM24]. **Means** [CO22]. **Measure** [JML21, KR18b, KSL23, LLC+15, PCL18, SR21, SV08, SLL+20]. **measured** [EVV11]. **Measurement** [BHA+23, CPTMSM22, CPF24, GC19, Hua17, KKS+19, KL23a, LL21b, Miy08, PH18, SA16, YHL18, CRR09, GS13, TSA12, WLJ14]. **Measurements** [GFCG18]. **Measures** [GPCB15, FD12]. **Measuring** [GFCG18, HSMO06, HZL22, JLCT12, JRWB23, KLH15, LAMV12, Oro16, TDW+17, YHL18, ELY15, FL11]. **Mechanics** [FB19, SW14]. **Mechanism** [HbK19]. **mechanisms** [BES12]. **Media** [BE16]. **median** [Jac12]. **Mediated**

[Ng19]. **Mediating** [Ma23]. **Mediation** [HBF+22, Mas15]. **Medium** [Fun21, YT07]. **Mekong** [TDBLY16]. **membrane** [RT10]. **memory** [AM14b]. **Mendelian** [DCFC16]. **Mental** [DC16, Erd17b, LTM18, MMV16, PT23, PSB19, RVTV20, AB13, Erd17a]. **Mentee** [LKL20]. **Mentoring** [LYY07, LKL20]. **meta** [Hal12, PR24, Rut11]. **meta-analytic** [Rut11]. **meta-didactical** [PR24]. **meta-synthesis** [Hal12]. **Metacognition** [BRR+22, DÇÖK23, HIS+16, HISH16]. **Metacognitive** [BR23, CC16, CHC16, KH08, TWC+16, TAC19, TCC+24, UE19, YWC+18, vV16]. **Metadata** [OC21]. **Metalanguage** [TR21]. **Metasyntheses** [YL08]. **Method** [Gao20, Gus24, Koy23, MSAGHMNG19, LC14a, LC14b, WMS13]. **Methodological** [Dog21, KBH+15, LH15]. **Methodology** [ABM24, CBT+12, WCY16]. **Methods** [Ble09, CA24, Cor17, DB17, Jao17, Lee16b, McG03, RB09, SMPK+19, VJ06, WL08, BL09, JLU+10, Lee16a]. **Mexican** [AC20, MS14]. **microcomputer** [BJ10]. **microcomputer-based** [BJ10]. **microtasks** [WD12]. **Microteaching** [PDÜA21]. **Middle** [Ari18, Ari24, AB18, BJT23, Bea22, CCL22, DB17, DHTA+24b, Eng17, EkB19, GT19, GD19, JLO18, JLL20, MB20, ÖSY24, PL15, PPCC20, RGC08, RTM+20, WL22, YKC18, YKUIB17, YSHC23, And14, HCC15, MLK+15, PV14, TSO16, WLSC09, ZKS+05, DHTA+24a]. **middle-ground** [And14]. **Middle-School** [WL22, TSO16]. **Might** [Tho22]. **Migrant** [ZK20]. **millennium** [AAS13]. **Mind** [ABAHA23, FL23, ÇTC14, NDD14]. **Mind-Wandering** [ABAHA23]. **Mindset** [GDFVCM24]. **mineralogy** [Ozd10]. **Mining** [RA17, SS21]. **Minor** [HLKK23]. **Minority** [WCB23, DAO+11]. **Mirage** [SD22]. **Mis** [TT22]. **Mis-in** [TT22]. **Misconception** [YS21]. **Misconceptions** [Bay09, Jaf20, KS21, KW23, LL06, OBH17, SA16, TK22, TWS+23, YS19a, ZGZM17, AW12, LLT09, TSP12]. **Mismatch** [SLCK19]. **Missing** [DJZ21, GAM+24, TT22]. **Mixed** [Gao20, Gus24, SMPK+19, TYC17, Top13]. **Mixed-Method** [Gao20, Gus24]. **Mixtures** [CB16]. **Mobile** [ABH17, CCAG22, CMME15]. **Mode** [SG09]. **Model** [CA21, DGEP16, FCS15, FT05, HBF+22, JCC20, JH24, KK22a, KEC23, KÇ18, LF17, LAA+23, LL20, LS24, LTD+18, MQ07, NJ24, OHLC23, ODTS07, PMCG+17, PSM+20, Pit23, PH18, RV17, SPF23, SLCK19, SAPM22, TLR21, UD18, VR23, WAL23, WAL24, BPG11, Che14, Chi12a, DS15, HL13, KLJ+13, Lin14a, NFB+15, SOTF13, SLW10, TSP12, ZL11]. **Model-Based** [CA21, KK22a]. **Model-Eliciting** [UD18]. **Modeling** [BÖL23, CIBP23, HC23, HC24, HbK19, KD09, Lee18, LC23, MWM05, PL15, SCG+19, Tig14, TMS22, YE23, HS14, JLC+13, Lin14a, Sch15, SP15, VAF12]. **Modeling-Based** [LC23]. **Modelling** [AS22, Eng23, Gil04, GOMLS18, LBF24, Lee11, SP17, DS15, DK15, OdC15]. **Models** [DC16, EY23, Gil04, HbK19, KAK+20, Lee18, LL21b, Liu05, LR08, NPT17, SP17, SRSD23, AB11, AB13, MMV16, WOB12, WLJ14]. **Moderate** [HCBS18a, HCBS18b]. **Moderating** [TH18, YSHC23]. **modern** [Pap10]. **Modes** [ABPV20, AM04]. **Modification** [LHY24, LLL15]. **Modified** [BRR+22, CWLH19, MB21]. **Modify** [LLP19]. **Module** [BBT24, OL14].

**molecular** [DCFC16]. **Moment** [CY23]. **Moments** [CBR21]. **Moon** [NSH24, SLW10]. **Morphological** [FG14]. **Most** [BF19, HGSL18]. **Mothers** [Güv09]. **Motion** [Bay09, AAY15, EVV11, Fer14, Ful15]. **Motivating** [DP07, PCL18]. **Motivation** [ALI23, AKA18, BB09, CB16, CL20, EP21, FT05, FTWC18, FLP23, HBP17, HHT+20, KWO07, KTC19, NLW16, hCN18, Ng20, Oro16, PP15, VC23, ZL11, rSY19, CWW11, DRT+12, MDT13, OL14, VAF12]. **Motivational** [FCS15, FLP23, LLHC23, LT11, NHLS08, RS24, WL18, ZP06, MR14]. **Motivations** [Kan23]. **Movement** [Jia19, Hun14, LL14]. **Movements** [HC16b, LW18, SBK+14]. **Moves** [BML24, CY23, ED23, JLC17, THAD20, TA15]. **Moving** [YAC10]. **much** [SWA+12, SC11]. **Multi** [WSW+08, Pet13, VAF12]. **Multi-Campus** [WSW+08]. **multi-group** [VAF12]. **multi-level** [Pet13]. **Multicultural** [ZPW+24]. **Multidimensional** [HHH+23, Are12]. **Multidisciplinary** [Eng23]. **Multilevel** [NP23, PSO17, YS19b, ZBB22, rSY19, AK13, Bag11]. **Multilingual** [El 22, El 23, SB21, SMPK+19, SS19]. **multimedia** [OL14]. **Multimodal** [FGD22, KC20, Tur22, VC17, XFT21, Tan11]. **multimodality** [Fer14]. **Multinational** [LLHC23, WSW+08]. **Multiobjective** [LF17]. **Multiple** [ASR19, BB17, CA24, CCT16, DKL16, GAMDV22, GAMDV24, Gus24, HSMO06, HMM22, KL18a, LS21, Lee16b, LKC+15, hCN18, PN04, SL20, SLZ20, SGCA18, YHL18, MAL+11]. **Multiple-Choice** [BB17, Gus24, HMM22]. **Multiplicative** [Pro24, TC09]. **Multipliers** [Dud17]. **multivariable** [MMR15]. **Museum** [Chi04, SAK24, MG15b]. **my** [FH12, KHL12].

**N** [VT07a]. **naïve** [CA14]. **Nakuru** [GN08]. **'Named** [TLK17]. **Nanoscience** [MSK22]. **Nanotechnology** [MSK22, BMN16]. **Narrative** [HBF+22]. **Narratives** [SHM21]. **National** [Joh16, KYA13b, MTMKR23, VT07b, BSA+14, ETG16, JSH+23, KYA13c, TOV12, TCC+10, VT07a, Mor09a, Mor09b]. **Natural** [BSR24, LDG20, PTW05, WS16, AB11, BHSC10]. **Naturalistic** [NvKR+18, NKR+18]. **Nature** [APR+17, BAN21, CMM23, CA21, Das05, EKC+21, EY23, Khi23, KP18, LOJ08, LYL23, McC03, MBBR08, OL08, Pet22, Ram24, SD22, SAA18, TSP16, AÖÇ10, AB14, LCC+09, UKM11, Wai14]. **necessarily** [KHL12]. **Need** [GY19, LJ16, WT20, RCG+11]. **needed** [SWA+12]. **negotiated** [PK15]. **neo** [NDD14]. **neo-Piagetian** [NDD14]. **Nepalese** [MH17]. **Nepali** [BJT23]. **Net** [Zio08]. **Netherlands** [HDvJ21]. **Network** [PBDE23, TWC+16]. **neuroeducational** [And14]. **Neuroscience** [ALT14]. **neurosciences** [And14]. **neuroscientific** [LC14a, LC14b]. **news** [Lin14b, Lin16b]. **Newspaper** [Koy23]. **Newtonian** [FB19]. **Ninth** [CC05, ES04, Shi18, UD18]. **Ninth-Grader** [ES04]. **Non** [CÖ20, Chi09, Dah17, JSS17, JLL20, KTC19, LK24, MNBZH+05, WlCC+18, AK13, Lin14a, Lin14b, Lin16b]. **Non-Context-Based** [CÖ20].

**Non-Creative** [Chi09]. **Non-Dialogic** [JLL20]. **non-immigrant** [AK13]. **Non-low** [KTC19]. **Non-math** [WlCC+18]. **Non-math/Science** [WlCC+18]. **Non-Routine** [LK24, JSS17]. **non-science** [Lin14a, Lin14b, Lin16b]. **Nonlinear** [AB18, LCA16, ST05, FH12]. **Nonproportional** [Ari19]. **Norms** [CY23, YE23, LTT06, PK15]. **Norwegian** [Ped15]. **NOS** [AB14, HC16a]. **NOSE** [Das05]. **Notebook** [HILAT16]. **Notebooks** [CA24]. **Notice** [Bro22, CPTMSM22]. **Noticing** [Ama20, BKMK24, BÖL23, HjKKL23, IFL20, JWXvD23, Kil18, KD22, LLP19, Lee21a, TSKIB22, YKKB19, YKB21, Ama16, SMFL15]. **Noticing-Oriented** [LLP19]. **Notion** [KL18b, Par07, Kid11]. **Notions** [JRS22, KK23, NN11]. **Novelty** [IV24]. **Novice** [HTCS19, SP21b, Ama16, AB14, CMME15]. **NSW** [VC17]. **Nuggets** [SKS+23]. **Number** [ABPD16, Als12, CÖ20, DGEP16, ERdDS20, LYC04, MOI07, PUR18, RVTV20, Yan03, YnLL08, YRR09, YS21, YC23, HNB11]. **Numbers** [AFG21, ERdDS20, GFCG18, LTM18, Che12]. **Numeracies** [ZZ09]. **Numeracy** [GGD15a, DL12]. **Numerical** [ES09]. **Numerosity** [RMR22]. **Nursing** [DLD18]. **Nurturing** [Gal22]. **Nutrition** [CGERBL18]. **Nyanza** [Bag11].

**Object** [EA19, HHT21]. **Object-Free** [HHT21]. **Object-Related** [HHT21]. **Objectification** [El 22]. **objects** [PMLC15]. **Observation** [KP18, TKS18]. **Observational** [PL15]. **Observations** [VCSA+23, ZBH23]. **observe** [KYA13a]. **Observing** [LdCCK21, RH19, TKS18]. **Obstacle** [SVDK09]. **Obstacles** [Nis17, Mor09a, Mor09b]. **Occur** [LH08]. **Ocean** [BPMK24]. **OECD** [YCH04]. **of-the-art** [HEB11]. **Offer** [WKG20]. **Offered** [Sty08]. **Offering** [SR21, SMG+19]. **Officers** [SC03]. **official** [AV06]. **Old** [DAM19, NK04, PEK+23, MR14]. **Older** [RVTV20]. **olds** [BFE15, EVV11]. **Omani** [AAF17]. **On-Campus** [PDÜA21]. **One** [AVM16, CL20, Dud17, HK21, JSH+23, RL12]. **Oneself** [HK21]. **Online** [CH20, LCB21, Str20, SG24, TSMW16, WC16, HTWT14]. **Onto** [GGBW23]. **Onto-semiotic** [GGBW23]. **Open** [LNP+18, LPK24, Zio08]. **Openness** [Yeo17a, Yeo17b]. **operation** [LS15]. **Operational** [AK17a, SG15]. **operationalising** [RHM+11]. **Operationalizing** [FD12]. **operative** [MN23]. **Opinions** [Bin20]. **Opportunities** [And03, BML24, EH18, Fan21, HKS18, Hon23, jK19, jKMH20, PA22, QHS+20, SMZ06, ZKS+05, AE15, AE16, WT13]. **opportunity** [MRA10, ZC15]. **Optics** [MVC17a]. **optimal** [Cro09]. **Oral** [IV24]. **Order** [Gub16, SCC23]. **Ordered** [HMM22]. **Organic** [HMS16, YY13, LT11]. **organiser** [GN08]. **organising** [KN13]. **organization** [CTGS15, Maj14]. **Organizing** [OE19]. **orientation** [LHL+09, Ozd10, RR16, Uit14]. **Orientational** [RH15]. **Orientations** [GHL22, MAL+11, ZP06, RCG+11]. **Oriented** [LLP19, LLC+16, MNBZH+05, TY23, DMNH11, RVG15]. **origami** [AT15]. **origami-based** [AT15]. **Origin** [BBT17, Gov17]. **Origins** [BdSSC16]. **Orthodox** [EHM19]. **Our** [BC06, Owe14]. **Out-of-Field**

[LR20, Hob13]. **out-of-school** [MMK11]. **Outcome** [LJC08, JLC08]. **Outcomes** [CC18, HE17, IAS17, OHMW21, Saf18, Saw19, SG24, TSC17, WK09, AM14b, GCS10, HP11, JLC+13, MAL+11, OBF15, TOV12]. **outline** [RR09]. **outperform** [ZS11]. **Overall** [CGTQ21]. **Overcoming** [KBH+15, Ron18]. **overt** [AM14b]. **Overview** [Ran06]. **Ownership** [EN08, EGJ09]. **Oxidation** [Own06, Own10]. **Oxidation-reduction** [Own10].

**Pacific** [CABR06, TVC03]. **Pakistan** [Hal12]. **Paleontology** [LCB21]. **Palestinian** [Zei10, Zei15]. **Pandemic** [CMM23]. **Paper** [EK19, Lem21, KAC15, RR09]. **paper-and-pencil** [KAC15]. **Paper-Based** [Lem21]. **Papers** [Ano13, Ano12c, sL13, Tsa13]. **Papua** [PTW05]. **paradox** [DAO+11]. **Parallelograms** [TT22]. **Parent** [DF22, MRLM21]. **Parental** [BFH19, SLZ20, SK17, Ing14]. **Parents** [GDFVCM24]. **Part** [JML21, LLT+20, AH11]. **Part-whole** [JML21]. **Partial** [VGDD23]. **Participants** [HBP17]. **Participate** [HCH16]. **participating** [DRT+12]. **Participation** [ABPV20, Sas19, SJL20, Str20, Mor14, NWD11, RR11, RHM+11, RR09]. **Particle** [LAA+23, BPG11, TCC+10]. **Particular** [KH06]. **Particulate** [CT18, SD22, AÖÇ10]. **partitioning** [BFE15, LS15]. **Partnership** [SPF23]. **PARTSIM** [FL11]. **Past** [Koy23]. **Path** [ZPW+24]. **Path-Analysis** [ZPW+24]. **Paths** [ES24, HSK24]. **Pathways** [KHNV20, WCB23, NWD11]. **Pattern** [El 21, El 22, Wil20a]. **Patterns** [KRS23, KH06, LYC04, LWZ+24, SRSD23, WL18, WWM+24, YUG24, YY13]. **pbl** [HCC15]. **PD** [MAL+11]. **Pedagogical** [APR+17, BSR24, CCW16, CFC22, DRZ20, ED23, GCCCG18, GT19, Koh19, KBK15, LTM18, Leu05, LTCCY07, SBN16, Wan20, Bra12, FNW24, HEB11, Hsi13, Kön13, OL14, Rut11, SBN14]. **pedagogies** [NWD11]. **Pedagogy** [BAN21, DP07, KR18b, Leu19, PH19, TPK+23, Ale14, DFR06, KIR12, KB17]. **Pedagogy-Embedded** [DP07]. **Peer** [KHNV20, KH15, YKUIB17, Gok12, Gok15, Kot10]. **peers** [ZS11]. **pencil** [KAC15]. **Pendulum** [HZBC24]. **Pens** [NF20]. **people** [RR11, RR09]. **Perceived** [AM04, HZL22, HCH16, JLC+13, BK13a, Ing14, LCC11a]. **Perception** [Dog12, DJB15, Leu05, LCTK24, MKSK16, Sea16, YSHC23, Nar15, Tig14]. **Perceptions** [AHO19, CO18, CT04, EKC+21, HASR24, Jaf20, KA19, LSW19, LLW+20, LLN+21, MK23, NRKR13, PSO17, PZA16, RH19, RH23, SWDR20, TC07, WM17, WlCC+18, ZSW+21, BW10, BAV+11, DFR06, KG15, LY10, MPB10, MR14, MLK+15, TBT+10, Zei10, ZB13]. **Perceptual** [LBP+24]. **Perform** [ZK20]. **Performance** [ABAHA23, AKA18, AWL16, BRA+20, BG17, BHD+15, BRR+22, DJB15, ES09, HMS16, IV24, KK24, LLC+16, LCW+24, MMA05, ÖSY24, PB09, RH23, SPF23, SP05, SCC23, TCH+17, Voy11, YnLL08, Yan19, YS19a, YS21, YKC18, YTHH22, ZG08, Can14, Gok15, LM15, Lin14b, Lin16b, OS10, RB13].

**Performances** [SL21]. **Period** [LBF24, SP21a]. **Periodic** [FMOMG16]. **Periodicity** [TSP16]. **Periods** [KN22]. **Persistence** [CS16, PMLC15, BHS15]. **Persistent** [WCB23]. **Persona** [Lil07]. **Persona-Based** [Lil07]. **Personal** [AYLW16, CFC22, PSO17, SF22, TKDD19, KHL12]. **Personalities** [IAS17]. **Perspective** [EA19, EGJ09, ES08, HY07, HHS24, LJ20, LL05, LLHC23, LKL20, MTMKR23, SA22, TCC+24, TC07, YMZ22, EDMA15, Hsi13, LL14, MS14, RVG15]. **Perspective-Taking** [EA19]. **Perspectives** [ALT14, BdSSC16, CA24, CL20, DF22, HFBM24, HMC19, SE22, TLK22, TLK24, XC21, YAC10, ZKS+05, ZBE21, ACY10, LG13, Owe14, SC14]. **Ph** [SYOL07, KYA13a, PC13]. **phase** [DPK08]. **Phases** [GOMLS18, KLR23]. **PhD** [VRFCT+08]. **Phenomena** [HC23, HC24, HZBC24, KNF+20, LH08, PTW05, AB11, Oh14]. **Phenomenon** [AOJT22, BDM21, GLY09]. **Philosophy** [MVC17a, MVC17b]. **photoelectric** [Oh11]. **Photon** [AKD+19]. **photosynthesis** [SVME15]. **Physical** [CT17, EY23, Gov17, LK22, NAÇE22, Ram24, SLC17, UE19, VGDD23, VT07b, WT18, MW09, VT07a]. **Physicists** [SP21a]. **Physics** [AHO19, AYLW16, AKD+19, BLS20, BRR+22, BWM+24, CCAG22, CT17, CC05, DAM19, EN08, EGJ09, EK18, FL06, HHH22, HHJR21, Joh16, KHNV20, KH15, KK24, KW23, LE06, LBBE22, NHLS08, Nis17, TSMW16, TWS+23, TDW+17, TSP16, VCSA+23, ZGZM17, BJ10, CWW11, EFL+13, EGN11, GS12, Gok12, KN13, KKvdW15, Maj14, MR14, OBF15, PMSK+12, QM14, RR16, RHM+11, TDBLY16, Top13]. **Physics-Related** [AYLW16]. **physiology** [MIJJ15]. **Piagetian** [Bab10, NDD14]. **Pictorial** [HP21, LAA+23]. **Picture** [AKD+19, LCC11b]. **Piece** [GAM+24]. **Pipeline** [ATN23, AHTN24, BG17]. **PISA** [ALT+07, HCBS18a, HCBS18b, JCC20, KC22, MKSK16, SSS18, TH19, YCH04, YAC10, ACY10, CBDV10, DK10, GCS10, Ho10, Kni10, KV10, LS14, LH15, MRA10, NFK10]. **PISA/LSAY** [JCC20]. **Place** [KKL20, Kuw13]. **place-based** [Kuw13]. **Placement** [RJ21]. **Plain** [Sch14]. **Plain-English** [Sch14]. **plan** [GDSD10, TT14]. **plane** [KAC15, Pap10]. **planetary** [LNW22]. **Planned** [DNWC18]. **Planning** [ANLL21, BSR24, DHB19, DJB15, jKMH20, SLV22, SCS+12, Tay18]. **Plans** [GYU24, LSK18, SEW18, KB17]. **Plant** [Lin04, NPR12]. **Plants** [Wan04, Wan07]. **platform** [Liu09]. **Play** [Tho22]. **Played** [TNHK23]. **playing** [BEF15]. **Plots** [LKC+15]. **plus** [TMVC24]. **pOH** [KYA13a]. **Point** [BC06, KG15]. **Points** [HjKKL23, Jon19, LL20]. **Policy** [SW23, VR23, YAC10, AV06, ACY10, HP11]. **politics** [NWD11]. **Pollution** [KÇ18]. **Polygon** [BML24]. **Polynomial** [AGBC17]. **population** [LNW22]. **poser** [KK16]. **Posing** [BR23, CJ17, KD09, Lee21b, Can14, CVCV11]. **Positional** [YY13]. **positions** [Wel15]. **positive** [SWA+12]. **Possibilities** [TT14]. **Possible** [AO16, Koy23, MSA17, LLT09, MPB10]. **Post** [GSO+17, WM17, MR14, NWD11, RHM+11]. **post-16** [NWD11, RHM+11]. **Post-Apartheid** [WM17]. **post-compulsory** [MR14]. **Post-secondary**

[GSO+17]. **Poster** [NOVRR22]. **Potential** [Gus24, JLC17, Lee21a, ME13, RGC08, Ron18, ZX20, KGA+11, TSA12, TT14]. **Power** [İİED+23, LHL+09]. **Powerful** [ARdMB23]. **PowerPoint** [WSA07]. **Powers** [FG21]. **Practical** [BLS20, TLK17, WCC19]. **practicality** [SIS+11]. **practically** [LTT06]. **practically-based** [LTT06]. **Practice** [ES08, ELO08, HZBC24, JWR20, Kan23, KRS23, LTD+18, LCB21, MBBR08, PFCM23, WBM21, WFK+16, YKJ20, CTT+11, FL11, Kön13, LC14a, LC14b, LYP14, MMK11, MIJJ15, Sch15]. **Practices** [AK17b, BV24, DS18, DRZ20, DA20a, DA20b, EP21, FLP23, GPCB15, HHJR21, HDvJ21, HCBS18a, HCBS18b, IAS17, KLR23, Kil18, LR20, LL05, LC23, Ma23, MSA17, MA21, MRC23, NP23, OGY24, PP08, PDÜA21, RJ21, SCG+19, SV22, SH24, SF22, SBN16, Aky16, Ama16, Bag11, CCN+12, NRKR13, QM14, RB13, Šap13, SC14, SBN14, So16, TRF05]. **Practicing** [KBK+22, SAA18]. **Practitioner** [HHS+21, PH19]. **Practitioners** [ERC03]. **Pragmatic** [WCB23]. **Praxeological** [TS20]. **Praxeologies** [PR24]. **Pre** [Ala16, ABPD16, AO16, BSLM16, BSG+23, Bay09, BV24, Bil06, Bla04, ÇAC07, CPTMSM22, CY21, CT04, DS15, DB17, DJB15, EKC+21, ELO08, GC19, Gub16, HM09, İİED+23, IFL20, Jaf20, Jao17, JRWB23, KEC23, Kil18, KN13, LL23, Lau22, LL06, LHC17, LL21a, LL21b, Lin05b, MRC23, ÖÖ23, PSB19, Pet22, PA22, RML22, Ron20, RCC22, SBR22, Tay18, TM17, VBACCG22, Wan20, WSW+08, YZK15, YRR09, CA14, DK15, GGD15b, KIR12, KB17, MPB10, NN11, Oh14, SMFL15, TRF05]. **Pre-** [BSG+23, LL23]. **pre-entry** [MPB10]. **Pre-kindergarten** [TM17]. **Pre-school** [DJB15, TRF05]. **Pre-schooler** [BSLM16]. **Pre-Service** [Bay09, CPTMSM22, CT04, ELO08, Gub16, Jao17, SBR22, WSW+08, YZK15, YRR09, Ala16, ABPD16, AO16, BV24, Bil06, Bla04, ÇAC07, CY21, DS15, DB17, EKC+21, GC19, HM09, İİED+23, IFL20, Jaf20, JRWB23, KEC23, Kil18, KN13, Lau22, LHC17, LL21a, LL21b, Lin05b, MRC23, ÖÖ23, PSB19, Pet22, PA22, RML22, Ron20, RCC22, Tay18, VBACCG22, Wan20, CA14, DK15, GGD15b, KIR12, KB17, NN11, Oh14, SMFL15]. **Pre-Test** [LL06]. **Preactivation** [BES12]. **Precarious** [WCB23]. **Precollege** [KK24]. **Preconceptions** [Lin16a]. **Predict** [AN18, Lin16a, ZBB22, KYA13a]. **Predicting** [HGK11, Lau22, VC23, rSY19, AK13, LHL+09]. **Predictions** [RMR22]. **Predictive** [HGSL18]. **Predictors** [KK24, LS23]. **Preface** [BKC15, HISH16]. **prefer** [DBS15]. **preference** [DBS15]. **preferences** [Ded15, LTT06]. **preferred** [JLU+10]. **Preliminary** [Yor23]. **Preparation** [Koy23, McG03, MWM05, WWM+24, BW10, HT13, MG15b]. **Preparations** [YAC10]. **Prepare** [GYU24, GSJ+17]. **prepared** [EDS10]. **Preparedness** [BMD+17, TNHK23]. **Preparing** [Cor18]. **Preschool** [Güv09, Sum20]. **Preschoolers** [BFH19]. **presence** [LLWS13, MRA10]. **Present** [EY23, Koy23]. **presentation** [MMR15]. **Presentations** [Ran06]. **Preservice** [APR+17, Ari18, Ari19, AK20, AOJT22, BW10, CRC22, ÇP17, Cor17, DIRTBP24, DKL16, Gov17, HKSL22, HLKK23, KL18a, KD22, KKE+17, KGM24, LLP19, LL20, LHY24, Leu22, LCC+09, LSK18, LW16,

LdCCK21, MS18, MA21, MMA05, Ols07, PL19a, PDÜA21, RTC22, RJ21, SIA23, Shi21, SL21, TWS+23, Top13, TNHK23, WHA14, WSA07, Bur10, DFR06, Ded11, HT13, KHL12, WMS13, Ari24]. **Press** [Sum16a]. **Pressure** [TK22, JWXvD23]. **Prevalence** [GPC23]. **Preventive** [CMM23]. **Primary** [AVT16, AD16, AOJT22, AAM20, AAM24, BHD+15, BPMK24, BG22, CT04, CBR21, DIRTBP24, FL23, GCCCG18, GC19, GC21, Hil18, JRWB23, KR18a, KLH15, KFM+17, LNP+18, LAN20, LL23, LHC17, Lin05b, Mad22, MG15a, NSH24, OHLC23, RML22, SC03, SIA23, SV22, SE22, SP17, So03, SZCL18, TVC03, TC07, TNHK23, TPK+23, VB20, VJ06, VA21, WL21, WSZ23, WESS23, WSZ24, ZBL+16, ZVV18, ZTW23, CGR13, DBS15, Ded15, ELY15, JWXvD23, LP11, MSK22, MG15b, NN11, Şah10, mS13, So16, DD23]. **Primate** [SBR14]. **Primitive** [KK23]. **Principle** [XFT21, Oh11]. **Principles** [KJ19, SLV22, UD18, CCWL15]. **Print** [HY07]. **Printing** [CC18, NF20]. **Prior** [GCCCG18, HTWT14, LL06, YL22, HGK11, WWTC10, Yük14]. **Prisms** [DL22]. **Private** [BFH19]. **Probabilistic** [BBST06, FD12, TSP12]. **Probability** [AK20]. **Probing** [CY14, LE06, KYA13a]. **Problem** [AD16, BR23, BWK+19, CJ17, CL20, DGEP16, EPEG07, FL06, GC19, GAMDV22, GAMDV24, HLKK23, HCH16, JC17, KC20, KVB22, LNP+18, LB08, Lee21b, LTT+21, LK24, Lil07, Lor05, MCF23, NA24, ÖSY24, PMCG+17, Rot20, SCG+19, SY14, SD22, SL21, ST05, YTHH22, ZF06, AM14a, Can14, CVCV11, Gok15, JSP15, KK16, KAC15, LL14, PDG15, SOTF13, Voy11, YFL15]. **Problem-Based** [BWK+19, KVB22, SD22, LB08]. **Problem-Posing** [BR23, CJ17]. **Problem-Solving** [DGEP16, HCH16, Lil07, NA24, SL21, CL20, Gok15, KAC15, YFL15]. **Problems** [ASR19, Ari18, Ari24, AB18, CÖ20, Chi09, CIBP23, ES09, EGJ09, HC16b, JLO18, KL18a, KAK+20, Koh19, KWMW22, LS21, LR08, Nis17, OÇ08, Ols18, SGCA18, Son22, SK23, SCC23, Vid15, AC15, BZST10, BFE15, CY14, Din14, JC10, LLWS13, RVG15]. **Procedural** [ASR19]. **procedurally** [LM15]. **Procedure** [Gao20]. **Procedures** [ÖÖ23, RVG15]. **Process** [AS22, El 22, Lil07, MB20, NK04, RXLC16, RTM+20, SL20, SK23, YWF20, Zio08, vA06, CY14, CCWL15, DK15, HP11, LLL15, PPS12, RL12]. **Processes** [AGB14, AMFC21, BR23, Saf18, YS19b, AM14b, Chi12a, DS15, ES16, Eme09, Lin14a]. **Processing** [LCA16, LF17]. **Product** [HHS24, YWF20]. **Production** [WJ07]. **Productive** [Gus24, GJ21]. **products** [LLL15]. **Profession** [RS24]. **Profession-Related** [RS24]. **Professional** [Ama16, AM04, BCO22, BB19, ERC03, FI19, HDR21, jKMH20, KBY11, KEB21, LTT+21, LBBE22, Lin17, LTD+18, OHLC23, PDÜA21, RAL+07, RBE21, RH15, SML24, Shi21, SGHM15, SGHM16, TYC17, WBM21, WlCC+18, YKKB19, YKB21, ZPW+24, DW15, LG13, LYP14, MNE12, MAL+11, Mor14, PZLR16, QM14, SYOL05, SYOL07, SWA+12, ZB13, SGHM16]. **Professions** [KN22]. **Professor** [LS23, WFPC04]. **Proficiency** [KB16a, SMPK+19, SS19, IK14, STC12]. **profile** [MMV16]. **Profiles** [LWZ+24, LCB21, Pit23, WT13, ZVV18, AL22]. **Profit** [SMPK+19].

**Program** [CMP19, FTWC18, HC16a, HASR24, KKL20, KRU19, LBBE22, McG03, MWM05, MF05, Sas19, SF05, BW10, BAV+11, KLJ+13, LYP14, MPB10, OEMZ12, RCT+11, SYOL05, SYOL07]. **Programme** [ALT+07, Len06, MTMKR23, Ng10, Wil21, PZLR16, TDBLY16]. **Programmes** [Vid15]. **Programming** [KAK+20]. **Programs** [CYLL23, Lin17, BK13b, CGR13, SBR14]. **Progress** [And14, KLJ+13]. **Progression** [AWL16, BTJA18, CGERBL18, DH18, Din18, JSH+19, JSC24, Lee18, DAO+11, DCFC16, HpCH+16]. **progressions** [Ful15]. **Project** [AM04, MFG+21, OHMW21, SJL20, VB20, Wil21, HCC15, RHM+11, RCG+11]. **Project-Based** [MFG+21, SJL20, VB20, Wil21, HCC15, RCG+11]. **Projects** [BB09, SZCL18, Str20, MAL+11, mS13, So16]. **Promises** [HM09]. **Promote** [FT05, HNB11, MNE12]. **Promoting** [BE16, BB09, Bil06, BL21, CTT+11, CBO09, KKL20, MSS22, NPR12, SAPM22, AH11]. **Proof** [EH18, LYC04, OL08, Sty08, ZZ16, CEB12, Ko10, PPS12, TBT+10]. **Proofs** [DB17, DO23, LY07]. **Properties** [DNV17, El 23, FG21, Aky16, APCK12]. **Proportion** [Ari18, Ari24, ELY15]. **Proportional** [Ari19, AB18, BWO20, CGBD23, DLD18, ELCG24, GBA24, JLO18, Pro24, Bay13, DVV15, HNB11]. **Proportionality** [BG22, LS21, LK18a]. **Proposals** [GFCG18, RR09]. **proposed** [Ful15, PZLR16]. **Proposing** [GPR+18]. **Propositions** [Miy08]. **Prosociality** [HHT+20, PCL18]. **Prospective** [ANLL21, BG22, EkB19, ED23, GCCCG18, GYU24, KČŠ23, KGA+11, LBF24, MDF08, MBBR08, Ng20, OGY24, SAA18, Shi22, SP21b, TSKIB22, Ulu21, Yam18, YKUIB17, ZZ16, KAC15, ME13, RRW11]. **Provide** [Dog16]. **Provided** [jK19]. **Providers** [ERC03]. **Providing** [SGCS23]. **Province** [Dud17, Bag11]. **Proving** [Kot16, LYC04]. **provision** [Kaz14]. **Pseudo** [SBR22]. **Pseudo-Longitudinal** [SBR22]. **Psychological** [WT20, Chi12a, MR14]. **Psychometric** [GDSD10, MB21]. **Public** [GT19, SWDR20]. **Publisher** [BdSSC16]. **Puerto** [HFVH17]. **Pull** [SF22]. **Pulley** [HA07]. **Punctuated** [MQ07]. **Pupil** [AK17b, EPEG07, LNP+18, KGA+11, THV+15]. **pupils** [So16]. **pure** [Lui13]. **purpose** [AV06]. **Purposes** [PA22, KN13, Maj14]. **Pursuit** [AVM16]. **Putting** [Bes11b, Bes11a]. **Puzzle** [GAM+24]. **Pyramid** [GY19]. **Pythagorean** [ZZ16].

**Qatari** [QVST17, SWAEKS19]. **Quadratic** [BHWM20, HSH22]. **Qualifications** [VT07b, VT07a]. **Qualitative** [IV24, LL23, MSAGHMNG19, Ng20, Pro24, SD16, Hal12, YL08]. **Qualities** [FL06, PEQS24]. **Quality** [Bay13, BHV+24, BSR24, El 21, HKS18, HHT21, JYC21, KAK22, Law05, NOVRR22, NP23, PEQS24, SPF23, Yam18, YY13, ZBB22, BK13a, BJ10, Kaz14, Kni10, ZC15]. **Quanta** [AKD+19]. **Quantifying** [BTY11]. **Quantitative** [OÇ08, Pro24]. **Quantitatively** [SR21]. **Quantities** [CT17, Par07, HNB11, LS15]. **Quantization** [AKD+19]. **Question** [KD09, DMNH11]. **Questioning**

[BRMNH15, HYL23, LLT+20, SRSD23, WWM+24, WHA14]. **Questionnaire** [ZVV18, Ded11, GGSP10, SCS+12]. **Questions** [Gal22, HP21, HMS16, NvKR+18, NKR+18, NPT17, UE19, NY11]. **Quite** [OHLC23].

**R** [SYOL07]. **racial** [CK14]. **Radiation** [Bal18]. **Raise** [Cor18]. **Raising** [WC16]. **Random** [WK08]. **Randomness** [GSO+17]. **Rasch** [CPF24, LAMV12, WLJ14, YHL18]. **Rate** [KEC23, RVG15]. **Rates** [SWDR20, RHM+11]. **Ratio** [CW06, ELY15]. **Rational** [ERdDS20, HNB11, LTM18, MOI07]. **Ratios** [ELCG24]. **Re** [CJOC11, jKMH20, PBDE23]. **Re-analysis** [PBDE23]. **Re-conceptualization** [jKMH20]. **Re-engaging** [CJOC11]. **reaction** [BZST10, LLWS13, PMLC15]. **Reactions** [Own06, Own10]. **Read** [HHH22]. **Readers** [Jia19, MMM11]. **Readiness** [PSC+13]. **Reading** [ALA+15, Bea22, Ber19, CCL22, CFC22, FGD22, HBF+22, HY07, Jia19, LY07, RML22, RV17, SS19, TLK22, TLK24, Tho22, VR23, WFK+16, YL18, YWC+18, YT22, AM14b, BVDV13, HTWT14, HYC+16, Hun14, KKvdW15, Lin14b, Lin16b, MMM11, VR12, WWTC10, YHT16, Yük14, CPF24]. **Readings** [Ber19]. **Real** [ASR19, AS22, BLS20, GOMLS18, Jon19, NJ24, PDÜA21, SS18, CP12]. **Real-World** [ASR19, Jon19, NJ24, AS22, CP12]. **Realism** [WKG20]. **Realistic** [Fre21, Fre24, RL19, CVCV11, SP15]. **Realities** [Fan21, AV06]. **Reality** [LWZ+24, SD22, SLW10]. **Reality-Assisted** [LWZ+24]. **reasonable** [AR10]. **Reasonableness** [DD23, Yan19, YS19a]. **Reasoning** [AD16, ABM24, AB18, BBST06, BRSG20, BWO20, CGBD23, DHB19, DWM16, Din18, DL22, DLD18, GPC23, Get23, GGBW23, GBA24, HM09, HM22, JLO18, JSS17, Joh16, KRV+22, KR18a, KK23, KH06, LYC04, LY07, Ols18, Pro24, RBT20, SCiB22, Shi21, SRSD23, Sum13, Sum16a, Sum16b, Tur22, VWH+17, VC23, XFT21, YKUIB17, AGB14, AH11, AT15, AE10, BES12, Bay13, CS15, FH12, GCK15, HNB11, LM15, LH14, NSV13, Per20, SW14]. **Reasons** [DAM19, DB17, HBTP13]. **Reassembling** [Tan11]. **Recall** [SL20]. **Recognise** [WFWK23]. **Recognising** [PN18]. **recognition** [AR10]. **Recommendations** [ALI23]. **Recommended** [HFBM24]. **Reconciliation** [Cor17]. **recontextualisation** [TRF05]. **Recorded** [OHMW21]. **Recovery** [BWK+19]. **Recycling** [LLL22]. **Reduction** [Own06, Own10]. **Reference** [KH06, SP15]. **Referent** [CGÖ22]. **Referents** [SGCA18]. **Refining** [GZ21, PCL18]. **Reflection** [KD22, MH17, KLJ+13, KBY11, MNE12, SCS+12]. **Reflections** [LBF24, OS05, GLY09, Dog21]. **Reflective** [MA21, Pet22, SJL20, WL08]. **Reform** [CCT16, JSRP20, KA19, LHC17, Leu05, McG03, MWM05, WFPC04, Als12, Mel10, RCG+11, ZKS+05]. **Reform-Based** [McG03]. **Reformed** [DNWC18, WL21]. **Reforms** [AHO19, VT07b, VT07a]. **Refutation** [KJ19, MZC+19, Tip10, AM14b]. **Refutational** [LKC+15]. **Regarding** [AMG16, BRR+22, DIBS22, Gov17, JSRP20, KL18b, LSW19,

LDG20, Miy08, Wil20b, Bur10, Ded15, LG13, THV+15]. **Region** [TDBLY16]. **Regional** [TC07]. **Regions** [WL21]. **registers** [DPK08, MMP14]. **Regulated** [CT04, FCS15, HLT22, NHLS08, YWC+18, AYLW16, HYC+16]. **Regulation** [LZL+18, PSO17, TAC19, TLR21, CC16, VAF12, YS19b]. **Reification** [Shi18]. **Reinventing** [Tur22, Pap10]. **rejection** [GGD15b]. **Related** [AYLW16, BÖL23, Güv09, HHT21, KR18a, LHY24, LK18b, Nis17, PMCG+17, PEK+23, RH17, RS24, Sas19, TLHV16a, TLHV16b, YJY08, BW10, CSM12, CRR09, DC08, HWW13, JC10, KB16b, LS14, LsL14, Uit14, WCY16]. **Relatedness** [ZBB22]. **Relating** [BRA+20, DL22, LAA+23, TCC+10]. **Relation** [AGBC17, DHTA+24a, DHTA+24b, LWZ+24, LdCCK21, PSO17, SC21, WT20, KKvdW15, TSP12]. **relational** [KN13, Per20]. **Relations** [EPEG07, FL06, LLHC23, MW09, MKSK16, YSHC23]. **Relationship** [AYLW16, AD16, BHV+24, BRR+22, ES08, ELCG24, FCS15, HCH16, HILAT16, KC22, Khi23, Lee21a, SIA23, SL21, SS19, TLT21, Tay18, TH18, YnLL08, YKB21, AB13, CY14, KHL12, KV10, LY10, MAL+11, OBE12, Zei10]. **Relationships** [Ari19, Ble09, DC16, DRZ20, ES04, ELCG24, GB22, HASR24, LH14, LYC04, MKSK16, PCM22, YWF20, BL09, JLC+13, Pet13, Tig14]. **Relative** [KL18b, Pro24, PC13]. **Relevance** [HASR24, KKS+19, XFH23, DK10]. **relevancy** [HT13]. **Relevant** [HHT+20, HASR24, ATG13, NRKR13]. **reliability** [Per20]. **Religious** [Gov17, KB16b]. **Remediation** [LL17]. **Remote** [GS13, TYW+17]. **Renewable** [EB20]. **repeated** [DDG+12]. **Replays** [Bro22]. **Replication** [IV24]. **report** [Lin14b, Lin16b]. **Report**** [FB06]. **Reported** [EP21, HDvJ21, Šap13]. **represent** [AB11]. **Representation** [Cho21, KNF+20, LYL23, MRC23, TPK+23, ZF06]. **Representational** [DGEP16, So16, ZYJ22, DK15, NSV13, SW14]. **Representations** [AGBC17, AC20, AGW24, CW06, CCT16, DNV17, DKL16, EPEG07, KL18a, KC20, LKC+15, MOI07, PN04, PCM22, RVTV20, SB17, Son22, TBP17, VC17, XFT21, AGB14, ALA+15, DVV15, EFL+13, LLWS13, PC13, SB09, WLSL14]. **Representing** [GY19, Lil07, RK10]. **Reptiles** [YYC04]. **Require** [KRV+22, PSB19]. **Required** [SMPK+19]. **Requirements** [Joh16]. **Rescue** [Zio08]. **Research** [ALT+07, AK17b, BV24, BKC15, ELO08, FHL19, HSK24, HHS24, JSC24, JRS22, KBH+15, KEB21, Law05, Lee21b, Ler07, Lin05b, LK18b, MJ18, RM24, Ran06, SD16, Sas19, Sha06, SWAEKS19, TLK22, TLK24, Tsa06, WKG20, Aky16, ACY10, CTT+11, CBT+12, Din14, GACZ09, Hal12, Ko10, KB14, MW09, MNE12, Ols07, Rut11, Tip10, YL08]. **Research-Based** [Lin05b, Din14, GACZ09, Ols07]. **Research-Informed** [HHS24]. **research-intensive** [MW09]. **researcher** [WCY16]. **Researchers** [QCH23, KB14]. **Researching** [PZLR16]. **Resolving** [SP15]. **Resource** [Chi04, KGA+11]. **Resources** [BWO20, Hew04, TT07, TSMW16, WM17]. **Respiration** [SP05]. **Respiratory** [HbK19]. **Respond** [BB19]. **Responding** [ED23, OGY24]. **Response** [BB17, Gus24, KK22b, BHSC10]. **Responses** [CBR21, HSH22, KK22b, Ron18, Str20, SWAEKS19, THAD20,

WHC17, BZST10, BFE15, BSLM16, NPR12]. **Responsibility** [KSL23]. **Responsive** [HM22, jK19, NP23, RJ21]. **Restructuring** [MQ07]. **Result** [DC16, Yan19]. **resulting** [DMNH11]. **Results** [DD23, GG09, MKSK16, ÖÖ23, VR23, YS19a, YAC10, BK13b, Ded11]. **Retention** [AKHT23]. **Rethinking** [dFAN13]. **Retrieval** [CTC16, RH23]. **Reveal** [HbK19, SBK+14]. **Revealing** [PP15]. **Review** [FHL19, JRS22, JH24, LL23, MN23, SS21, TYW+17, WSC22, YKJ20, ZX20, LHL+12, LH15, Tip10, WCY16]. **Revised** [WO19]. **Revisiting** [PA22, ZZ16]. **Rich** [ANLL21, EGJ09, MH17, ZB13]. **Rico** [HFVH17]. **Riemann** [JLC17]. **Rio** [Kyl06]. **RISHA** [CPF24]. **Risks** [LLP+24, ZGZM17]. **Road** [Kyl06]. **Robotics** [ZX20]. **Robust** [GBA24, NP23]. **Role** [AFG21, AAF17, CTC16, CO22, DNV17, DK18, El 22, GGD15a, GDFVCM24, HP24, HHS+21, KC22, KNF+20, Lau22, LLN+21, Ma23, MZC+19, MFG+21, hCN18, RS24, RGC08, SGCS23, SK17, SAPM22, TR21, TC07, Tho22, TNHK23, VGDD23, VC23, AE10, Bag11, BEF15, DVV15, FD12, MP10, MDT13, MG15b, OO15, WMP+12]. **role-playing** [BEF15]. **Roles** [IAS17, KKE+17, YUG24]. **ROM** [LCC11b]. **Romanian** [ETG16]. **rona** [LG13]. **Roots** [Shi18]. **Rotation** [MH17, PSB19]. **Route** [LC23]. **Routes** [Gil04]. **Routine** [LK24, JSS17]. **Rule** [BHWM20, Ron20, FH12]. **Ruler** [GFCG18]. **Rules** [EK18, SBT+06, Bab10]. **Rural** [AM04, PP08, SCC23, TC07, BSA+14].

**S** [SYOL07]. **S1** [LGS18a, LGS18b]. **S4** [LGS18a, LGS18b]. **Safety** [ZGZM17]. **Saharan** [BLS20]. **Same** [RL19, Ron20, EE11]. **Sample** [SW23, SP05, WK08]. **Sampling** [MSAGHMNG19, JLC+13]. **Satisfaction** [AM04, WT20, ZPW+24]. **Saudi** [AHO19, AAS13, Alg20, KA19, Tig14]. **Savart** [Maj14]. **Scaffold** [IFL20]. **Scaffolding** [BFH19, BWK+19, Kil18, KVB22, LCTK24, MBF13, RML22, TWC+16, LHL+12]. **Scaffolds** [CHC16, DK18]. **Scale** [BMD+17, Din18, Dud17, KR18b, KSL23, Lin17, MB21, SWAEKS19, TLK17, ZVV18, ALT+07, CCG+11, KBY11, NFK10, TSO16]. **Scales** [SCDC21]. **Scaling** [LTT+21]. **Scanpaths** [LW18]. **Scenario** [KKS+19, KKS+19]. **Scenarios** [SLV22]. **schema** [GLSM11]. **schemes** [BC11]. **Scholastic** [TKS18]. **School** [AVT16, AYLW16, AGW24, AM04, Ari18, Ari24, AOJT22, AK17b, AAM20, AAM24, AB18, ABG06, Bal18, BJT23, Bea22, Bin20, BG22, CÖ20, CCL22, CC18, Cho21, DC16, DB17, DD23, Din18, DHTA+24a, DHTA+24b, Dog16, DO23, Eng17, EkB19, GT19, GR21, GV24, GAMDV22, GAMDV24, Hil18, HLT22, HFBM24, HBP17, HGSL18, HHH+23, Hsu19, JLO18, JMS16, JLL20, Kan23, KK22a, KWO07, KB16a, KN22, KK24, KFM+17, LAN20, LE06, LBP+24, LL23, LFF03, LLW+20, Len06, LZL+18, LYL23, Lin04, LLC+16, LR08, LLL22, LDG20, Mad22, MH17, MSdSGG17, MSAGHMNG19, MSGGVZDF20, MSAGHM22, MB20, MRDCC17, MFG+21, MOI07, NHLS08, NSH24, Ng10, hCN18, NF20, NPP16, ÖSY24, PT23, PL15, PSB19, PTW05, PDÜA21, PPCC20, PA22, RH17, RTC22, Ram24, RGC08,

RTM+20, SEW18, SWDR20, STD+23]. **School**
[SGCS23, SV22, SLK20, SH24, SP17, Sha06, SSS18, SWCH20, So03, Sum16a, Sum16b, SCC23, SMSBZ23, TLT21, TC07, TKDD19, TT18, TSP16, TYC17, TSC17, TPK+23, UM18, Ulu21, UFW17, VT07b, WL22, WT20, WO19, WAL23, WAL24, WS16, WHH08, XC21, XFH23, YMZ22, YKC18, YKUIB17, YSHC23, YCL04, YWF20, ZVV18, ZPW+24, vV16, AAS13, Bag11, BK13a, BS15, CWW11, CTGS15, CK14, CWZ23, DBS15, DMNH11, DJB15, EGN11, GN08, HBTP13, HK10, Jac12, Kuw13, LS14, Lin14a, LLT09, LCC11b, MSK22, MS14, MMK11, MIJJ15, MP10, MMZ09, MG15a, MLK+15, NY11, NN11, dFAN13, OdC15, ÖDC09, PPS12, PV14, Ped15, QM14, RCT+11, RB13, RRW11, RVG15, Rut11, STC12, TBT+10, TSO16, TRF05, Uit14, VT07a, Wai14, WP12, WT15, Wel15, Yan14]. **School-Level** [KK24]. **School-Related** [RH17, LS14]. **School-Type** [SCC23]. **Schooler** [GD19, BSLM16]. **Schooling** [WM17, MRA10]. **Schools**
[BKMK24, CA21, DH18, Get23, LTT+21, LFM+19, LCW+24, PP08, Saw19, WESS23, ZTW23, vKF22, BSA+14, CBDV10, ETG16, Ful15, LP11, MR14, PZLR16, SLW10, ZKS+05]. **Schoolteacher** [ALI23]. **Sci** [LGS18a, LGS18b]. **Science**
[APR+17, AAAB16, ABAHA23, AHO19, Alg20, AMG16, AD16, AAF17, ALT+07, ALT14, AM04, Ano12a, Ano12b, ALI23, AKA18, ABH17, AO16, BdSSC16, BSG+23, BE16, BB09, BAN21, Bin20, Bla04, Ble09, BB19, CMM23, CRC22, CA24, CA21, CO18, Ceg21, CCCN17, CY21, CWLH19, CCL22, CPF24, Chi04, CYT16, Cho21, CGR17, CMP19, CFC22, Cor17, CT04, DS18, DC06, Das05, DÇÖK23, EDMA15, EKC+21, EY23, ED23, FHL19, Fan21, FLP23, FHmL18, Fun21, FL23, GS16, GPC23, GCCCG18, GC19, GC21, GHS+18, Gil04, GAM+24, GPCB15, GSO+17, GV24, GHP07, GRWHP19, GJ21, HK21, HSMO06, HTCS19, HmYB07, HNMGA16, HDR21, HC16a, HFVH17, Hew04, HLT22, HBP17, HHS+21, HY07, Hua06, HC16b, HCH16, HILAT16, HL04, IAS17, IK18, İED+23, Jaf20, Jia19, JSC24, JWR20]. **Science** [JLU+10, JLL20, KST+23, Kan23, KK22a, Khi23, KYA13b, KKE+17, KA19, KK22b, KS21, KEB21, KK24, KSE16, Kul18, KTC19, Kyl06, LCA16, LF17, LBP+24, LJ20, LOJ08, LFF03, LL05, LLW+20, Ler07, Leu22, LZL+18, LYL23, Lin14b, LLC+15, LLC+16, LW16, LL17, LWZ+24, LLHC23, LJC08, Ma23, MSS22, MNBZH+05, MHIS09, MSA17, MDF08, MVC17a, MVC17b, McC03, MP10, McG03, MWM05, MJ18, MBBR08, MS18, MA21, MB20, MKSK16, MC04, MN23, MMA05, MRC23, NAÇE22, NLW16, OL08, OS05, ÖÖ23, PH19, PSO17, PP08, PZA16, PSM+20, Pet22, PB09, QHS+20, Ram24, Ran06, RGC08, RAL+07, RBE21, Rol19, RV17, RH15, SIA23, SB21, SBS+07, Sch14, SG09, Sea16, SC21, SCDC21, ST24, SAK24, SH24, SSS18, SS21, SCB16, SWCH20, So03, SZCL18, SGHM15, SGHM16, SS19, Str20]. **Science** [SWAEKS19, TK22, TLT21, TWC+16, TLK22, TLK24, TAC19, TVC03, TC07, TYW+17, TPS21, Tsa06, TYC17, TA15, TSC17, TPK+23, VJ06, Vid15, VTV16, VR23, VT07b, VC23, WB20, WL21, WL22, WC16, WT18, WL18, Wan20, WT20, WWM+24, Wat17, WO19, WCC19, WS16,

WSA07, WFK+16, WCG09, WlCC+18, Xu22, Yam18, YHL18, YKJ20, YWC+18, YS19b, YUG24, YCH04, YT07, YT22, YWG21, ZSW+21, ZBB22, ZTW23, ZP06, rSY19, ATG13, Ale14, AAS13, AMBLL16, Are12, AK13, AM14b, AAY15, AB14, BTY11, BW10, BL09, BMN16, BAV+11, BNH+15, BHMO14, Bur10, CA14, CCG+11, CY14, CWZ23, Che11, CCWL15, Chi12a, CYK+16, CBO09, CJOC11, DFR06, DAO+11, DRT+12, DK10, Ebr12, Eme09, FG14, FD12, GCS10, GGD15b, Hal12, HCC15, HT13, Ho10, HTWT14, HEB11, HK10, HNB11, HpCH+16, HYC+16, HIS+16]. **science** [HISH16, HL07, Hun14, IK14, Ing14, JLC08, JWXvD23, JLC+13, KGA+11, KB16b, KYA13c, KYJS12, KBY11, Kni10, KV10, Kuw13, KB14, LAMV12, LCC11a, LHL+12, Lin14a, Lin16b, LH15, LC14a, LC14b, LsL14, LM12, LLL15, MMK11, Mel10, MDT13, MMZ09, MG15a, MG15b, Mor14, MPB10, NCH11, NRKR13, NEAC10, NFK10, NN11, Oh14, Oli10, OEMZ12, PZLR16, PC13, RB13, RR11, RJHB12, RSPK14, RR09, Rut11, SC14, Sch15, SOTF13, SYOL05, SYOL07, SIS+11, SWA+12, SC11, mS13, So16, SLES09, TOV12, TSO16, Tig14, Tip10, TT14, TRF05, UKM11, VAF12, VRW05, VR12, VT07a, Wai14, WCT+12, WT15, WLJ14, YHT16, YL08, Zei15, ZKS+05, ZC15, ZB13, LAMV12, Lin16b, NOVRR22]. **science-based** [FG14]. **Science-Methods** [Ble09, BL09]. **Science-Oriented** [MNBZH+05]. **science-related** [LsL14]. **science-text** [YHT16]. **Sciences** [BSR24, Gov17, Ram24, SLC17]. **Scientific** [AD16, BWK+19, BE16, BMD+17, CS16, CC05, Das05, DWM16, Din18, Dog21, DHTA+24a, DHTA+24b, ELRW20, Fan21, Get23, Gov17, HP24, HCBS18a, HCBS18b, JYC21, KAK22, KP18, KVB22, LOJ08, Lee18, Lin16a, LS24, LLL22, LCB21, Ma23, MSA17, NOVRR22, Pet22, PBDE23, SKS+23, TR21, TH18, VTV16, VCSA+23, VC23, WSA07, WSW+08, Yam18, YTHH22, YLTO21, YPT07b, YWF20, AB11, AB13, AMBLL16, ARdMB23, BSLM16, ÇTC14, CS15, HS14, KR18a, LCC+09, MLK+15, NSV13, OBE12, SC14, SLES09, YZK15, WB20]. **Scientist** [HHS+21, Hsu19, Mor14, PBDE23, Sas21, AB14, DW15, SPF23]. **Scientists** [CC14, KSL23, AB14, CTT+11, LNW22, MJMOR11]. **scope** [Rut11]. **Scoping** [MN23]. **Scores** [HILAT16, LM12]. **Scripting** [OGY24]. **Scripts** [CC16]. **sculpture** [Nar15]. **Search** [PB19]. **Second** [Fun21, KRS23, PB09, Are12, Lin12]. **Secondary** [AC20, AHO19, ABPD16, BKMK24, BG17, Bin20, Bro22, CK22, CY21, CGR17, DG19, EPEG07, EP21, Fan21, FF23, FHmL18, Fun21, GBA24, GV24, GHP07, HHH22, HHJR21, HFVH17, HFBM24, HMS16, HDvJ21, JSH+19, Kan23, KŠČ20, KWO07, KHNV20, KB16a, KA19, KN22, Kot16, Kul18, Len06, LR08, LCW+24, MSAGHM22, MBBR08, MRDCC17, Ng10, OS05, PPS12, PP08, PTW05, PA22, PH18, PB09, RJ21, SGCS23, SB17, Sum16a, Sum16b, TS20, TCH+17, VCSA+23, VT07b, Wil21, Xu22, XFH23, YMZ22, YT07, vKF22, AÖÇ10, Bag11, BS15, CWW11, CDT+11, Ded15, ETG16, EGN11, Ful15, GN08, GSO+17, HK10, KKvdW15, KV10, MOdBB12, MG15a, NFB+15, Oh14, OdC15, Ped15, QM14, RT10, SIS+11, Uit14, VT07a, WP12, WT13, WD12, TBT+10]. **Secondary-Tertiary**

[DG19]. **sectors** [BRMNH15]. **see** [DL12]. **Seen** [OHLC23, GLY09]. **seismic** [MMV16]. **Selected** [ES04, ES09, LBP+24, WBB17, ZF06, BAV+11]. **Selection** [LL21a, LC23, LDG20, SWDR20, BHSC10]. **Selective** [Shi21]. **Self** [AYLW16, AO16, BWM+24, CC16, CIZ+23, CT04, DC06, EP21, FCS15, Gao20, HZL22, HLT22, HBP17, HHT21, Lau22, LLW+20, LZL+18, LWZ+24, LJC08, LS23, MRLM21, MS18, MA21, NOVRR22, NHLS08, NSH24, PSO17, Saf18, SKS+23, SH24, SCB16, TLT21, TAC19, TLR21, TH18, VHM22, WT20, YWC+18, YS19b, YT07, ZBB22, Are12, Bag11, Bur10, CK14, Chi12a, HYC+16, JLC08, LM12, Pet13, Tig14, Uit14, VAF12]. **Self-** [NSH24]. **Self-Concept** [SCB16, YT07, MRLM21]. **Self-concepts** [HBP17, Are12]. **Self-Determination** [CIZ+23]. **Self-Diagnosis** [Saf18]. **Self-Efficacy** [AO16, DC06, Gao20, HZL22, HLT22, HHT21, LLW+20, LJC08, MS18, MA21, TLT21, TH18, BWM+24, Lau22, LWZ+24, SKS+23, SH24, VHM22, Bag11, Bur10, CK14, JLC08, LM12, Pet13, Uit14]. **self-enhancement** [Chi12a]. **self-perception** [Tig14]. **Self-Regulated** [CT04, FCS15, HLT22, NHLS08, YWC+18, AYLW16, HYC+16]. **Self-Regulation** [LZL+18, PSO17, TAC19, TLR21, CC16, YS19b, VAF12]. **Self-Reported** [EP21]. **Semantic** [WJ07]. **Semesters** [YHL18]. **Semiotic** [Shi18, XFT21, Xu22, GGBW23, Mas15, MMP14]. **Semiotics** [SA22]. **Senior** [VC17, BSA+14, LLT09, RCT+11]. **Sense** [ABPD16, CÖ20, DD23, JLO18, KKL20, Leh22, Pit23, SP17, SW23, SWCH20, YZK15, Yan03, YnLL08, YRR09, YS21, YDL24, Als12]. **sense-based** [Als12]. **Sensemaking** [DJZ21, HP24, VCSA+23]. **Sentences** [LPK24]. **Sequence** [AGW24, KEC23, LL21a, MVC17a, MVC17b, SLZ+18, ZYJ22]. **Sequences** [Bar17, BHWM20, GACZ09, NEAC10, WD12]. **sequencing** [BVDV13]. **Serbia** [MB21]. **SERI** [KKS+19]. **series** [Rut11]. **Service** [ANLL21, Bay09, CPTMSM22, CT04, CBR21, ELO08, Gub16, Jao17, KR18b, LTM18, SBR22, VA21, WSW+08, XC21, YZK15, YRR09, Ala16, ABPD16, AO16, BSG+23, BV24, Bil06, Bla04, ÇAC07, CA14, CY21, DS15, DK15, DB17, EKC+21, GC19, GGD15b, HM09, İİED+23, IFL20, Jaf20, JRWB23, KIR12, KEC23, Kil18, KLJ+13, KB17, KN13, Lau22, LHC17, LL21a, LL21b, Lin05b, MRC23, NN11, Oh14, ÖÖ23, PSB19, Pet22, PA22, RML22, Ron20, RCC22, SMFL15, Tay18, VBACCG22, Wan20]. **SES** [CCN+12]. **SES-different** [CCN+12]. **Sessions** [jKMH20]. **Set** [LPK24]. **Sets** [BDM21]. **setting** [Aky16, VRW05, ZB13]. **Settings** [LLC+16]. **Seventh** [AkB21]. **Sex** [DH18, HNAA16, SCB16]. **Shadowing** [HDR21]. **Shame** [JRWB23]. **Shanghai** [WBB17, YKC18]. **Shape** [BLS20]. **Shaped** [ZZ09]. **Shapes** [DA20a, DA20b]. **shaping** [AE16, Hob13, MDT13]. **Sherin** [RBT20]. **Shift** [CRC22, PDG15]. **shift-problem** [PDG15]. **Shifting** [FLP23, Jao17, Leu22]. **Shin** [SYOL07]. **Shoes** [SS18]. **Shopping** [SS18]. **short** [LH16]. **Shortcomings** [KBH+15]. **Should** [WB20, DCFC16]. **Sign** [LP23, Mad22]. **Signaling** [Jia19]. **Significance** [TLHV16a, TLHV16b]. **Significant** [KN22]. **Signs** [Wil20b]. **silence** [GLY09]. **Simeulue** [BSA+14]. **similar** [HWW13].

**Similarities** [LFM+19]. **Simple** [BHWM20, ÇK06, KEET17, RH23, Saf18, TY23, SY14, SBK+14]. **Simulation** [DLD18]. **Simulation-Based** [DLD18]. **Singapore** [Che14, Ful15, Kau11, LTT+21, TT07, TLT21]. **Singaporean** [HWW13, JC10]. **Single** [DH18, HNAA16, SCB16]. **Single-Sex** [DH18, HNAA16, SCB16]. **sink** [PMLC15]. **Sinking** [HKSL22, SLC17]. **Sites** [RJ21, CJOC11]. **sits** [RSPK14]. **Situated** [DLD18]. **Situation** [CY21, Jao17, ZTW23, SP15, VTCvS14]. **Situation-Specific** [CY21]. **Situations** [BWO20, DJB15, JLL20, MSAGHM22, Can14, Fos15, LS15]. **Six** [GHP07, SP05]. **Sixth** [EK19, Eng23, SA16, YS19a, YS21, Als12, SY14]. **Sixth-Grade** [Eng23, SY14]. **Size** [GFFVV23, WHH08]. **Skill** [PEK+23, Chi12a]. **skill-development** [Chi12a]. **Skilled** [Lin16a]. **Skills** [AN18, ÇP17, CY21, CYLL23, DWM16, HHH+23, KD09, Kil18, KVB22, KH08, KBK15, Kul18, Lee21a, LSK18, MRC23, PL15, PEK+23, SD22, ST24, SCC23, TSKIB22, WwLD+15, YCH04, BVDV13, CYK+16, DFR06, Ebr12, LM10, SLES09, Voy11, YFL15]. **Slope** [LF18, PMSK+12]. **slopes** [MMR15]. **Small** [Bil06, Dud17, EN08, EGJ09, Gal22, HK21, TVC03, TLK17, PK15]. **Small-Group** [EN08, EGJ09]. **Small-Scale** [Dud17, TLK17]. **Small-Step** [Gal22]. **soccer** [Lee11]. **Social** [AKHT23, BWM+24, CY23, CS16, HZBC24, HHT+20, JYC21, KSL23, SA22, WKG20, Xu22, Ebr12, JLC+13]. **Societal** [HEB11, YJY08]. **Society** [GSJ+17]. **Socio** [ARdMB23, CA21, KR18a, XFT21, YZK15, EDMA15, Las13, WB20]. **socio-constructivist** [EDMA15]. **socio-demographic** [Las13]. **Socio-economic** [CA21]. **Socio-scientific** [ARdMB23, KR18a, YZK15, WB20]. **Socio-Semiotic** [XFT21]. **Socioeconomic** [KC22, MP10]. **Sociomathematical** [CY23, PK15, YE23, LTT06]. **Socioscientific** [BL21, CYT16, CGR17, EY23, FHL19, FGD22, KKE+17, KKL20, KGM24, Leu22, YUG24, ÇTC14, CYK+16, LM10]. **Software** [Ols18, TYW+17]. **Soils** [RL19]. **Solomon** [SC03]. **Solution** [ÇAC07, Lee16b, MSA17, SL20, Son22, TT23, ÇAC09]. **Solutions** [ASR19, AO16, GAMDV22, GAMDV24, JLO18, LNP+18]. **Solve** [Dah17, HP21, LS21, SK23, RVG15]. **Solving** [AD16, Ari18, Ari24, DGEP16, EPEG07, FL06, GC19, GAMDV22, GAMDV24, HSH22, HC16b, HCH16, JC17, JSS17, JSH+23, KRV+22, KC20, KVB22, LTT+21, LK24, Lil07, LR08, Lor05, MCF23, NA24, Nis17, Ols18, ÖSY24, PMCG+17, Rot20, SCG+19, SL21, Son22, ST05, SCC23, YTHH22, Bab10, BFE15, CVCV11, CY14, CL20, Gok15, JC10, JSP15, KAC15, LLWS13, LL14, SY14, SOTF13, SBK+14, Voy11, YFL15]. **Some** [ES09, GOMLS18, SC03, TVC03, CRR09]. **Sophisticated** [NJ24]. **Sorting** [Gao20]. **Source** [KH08, Lin16a]. **Sources** [Gao20, MS18, Son22, WCC19, DRT+12]. **South** [TC07, CABR06, Dud17, HK10, KK22b, RR16, Ram24, SE22, SBN14, SBN16, TVC03, VA21]. **Southeastern** [GGD15b]. **Southern** [Kaz14]. **Space**

[GFCG18, LK22, DPK08, HT13, Owe14]. **Spaces** [GCK15]. **Spain** [CGR13]. **Spanish** [AM14a, AOJT22, FMOMG16, GFCG18, MO23, VRFCT+08]. **Spanish/English** [AM14a]. **Spatial**
[LC23, SA16, AB13, AT15, CY14, MMM11, Ozd10]. **spatially** [DL12]. **Speaking** [Wil20b]. **Special**
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[BL21, BSR24, CY21, CGTQ21, DK18, KLH15, SGHM15, SGHM16, UKM11]. **speed** [JC10]. **spiral** [WLSC09]. **Sports** [ELRW20, HBP17]. **Spotlight**
[LL21b]. **Spots** [El 23]. **Square** [Shi18]. **Sri** [AKA18, CEB12]. **SSI** [KKL20]. **SSI-COMM** [KKL20]. **SSynQs** [HMS16]. **stability** [CdHD16]. **staff**
[SYOL05, SYOL07]. **Stages** [TS04]. **stakeholder** [Web13]. **Stakes**
[Fos22, SWA+12]. **Standard** [MZC+19, YUG24]. **Standards**
[WO19, Lee16a, NFK10, OS10]. **Start** [WwLD+15]. **starting** [KG15]. **State**
[HL04, Xu22, HEB11, OEMZ12, TDBLY16, TCC+10]. **Statements**
[KP18, MRDCC17, YCL04]. **States** [Bar17, RS24, TVC03, TCC+10, ZF06]. **Statewide** [Saw19]. **Statistical**
[AkB21, LOJ08, LH15, Shi21, TT18, WK08, vDDDB22, CP12, LLT09]. **Statistics** [AK20, BÖL23, CCW16, Wat17, Yan14]. **Status**
[KC22, KB16a, Kot16, Lee21b]. **steam** [KB17, CC18, CMP19, QHS+20]. **STEM**
[CCCN17, Saw19, HCC15, Ing14, ATN23, AKHT23, AHTN24, AEP22, BMD+17, BG17, BV24, BB19, CYLL23, CIZ+23, Dah17, DBV22, Eng17, EK19, FYL21, FF23, GT19, GAM+24, GRWHP19, HSK24, HGSL18, HASR24, IAS17, JCC20, KB21, KN22, LL23, LFM+19, Leu19, LC23, LS23, MRJ+21, MTMKR23, MO23, MFG+21, OHLC23, PPB18, PZA16, PD17, RG20, SPF23, SEW18, SWDR20, SIA23, Sas19, Saw19, SKS+23, SH24, SZCL18, SLL+20, SAPM22, TKDD19, TM17, VCSW20, VB20, VHM22, VC23, WSZ23, WESS23, WSZ24, WSC22, WFWK23, WBM21, Wil21, WCB23, XFH23, ZPW+24]. **STEMming** [RG20]. **Step** [Gal22]. **Steps** [AS22]. **stepwise** [Gok15]. **Stereotype** [TPM19]. **Stereotypes** [AKHT23]. **Stickers** [KKE+17]. **still** [RT10]. **Stimulated** [SL20]. **Stochastics** [RCC22]. **Stoichiometry** [HmYB07, DC08]. **stone** [Nar15]. **Stories** [LCB21]. **story** [AM14a, HPP09]. **Storytelling** [SWYS24]. **Straightforward** [KL23b]. **Strategic**
[SCS+12, WHC17]. **Strategies** [AT07, AOZ09, Ala16, AFG21, ABPD16, Ari18, Ari24, Bea22, BHWM20, FCS15, GD19, HmYB07, HFBM24, JC10, Lee16b, LZL+18, PL19a, PSB19, TVC03, WSA07, YRR09, Als12, BC11, Ebr12, Gok15, Hal12, KAC15, LT11, Oh11, SBK+14]. **Strategy**
[BRR+22, JSH+23, LB08, ÖÖ23, SRSD23, CKH15, GN08]. **Stratification** [GV24]. **strength** [KYA13a]. **Strengthening** [Hsi13]. **strengths** [BSD13]. **Stress** [HSMO06]. **Stressful** [HSMO06]. **Striving** [Lil07]. **Strong** [HTCS19]. **Structural** [DGEP16, FCS15, JCC20, KGM24, PMCG+17, YWF20, JLC+13, PPS12, VAF12]. **Structure** [CGR13, EA19, MSdSGG17, Pit23, TWC+16, TYW+17, AM14b, Che11, KN13, LY13, NFB+15, Oli10, TSP12, WLSN14].

**Structured** [LB08, SCiB22, Can14]. **Structures** [DIBS22, EkB19, SF22, GLSM11, THV+15]. **Structuring** [CB16, Nis17]. **struggles** [AH11]. **STSP** [SPF23]. **Student** [AT07, ASR19, AGBC17, AOZ09, AB11, AHO19, AFG21, AKHT23, AYLW16, ALT+07, ABH17, AE15, AWL16, AB18, AÖÇ10, AKD+19, BWK+19, BB09, BÖL23, Bil06, BRR+22, BPMK24, BCO22, BF23, BCC06, CCW16, CÖ20, CdHD16, CA21, CS16, ÇK06, CK22, CT18, Che12, CCL22, CIZ+23, CH20, CGR17, Cor18, CIBP23, DC06, DC16, DVV15, DNV17, DAM19, DK18, DÇÖK23, DWM16, DRT+12, DL22, DO23, EN08, ELRW20, EK18, ED23, EG17, FB19, FTWC18, FLP23, FH12, GR21, GDFVCM24, GSO+17, GV24, HC23, HC24, HP21, HHH22, HP24, HbK19, HmYB07, HE17, HKS18, HLT22, HFBM24, HGSL18, HHS+21, HHH+23, HASR24, HMS16, Hsu19, HLT18, HSH22, HCH16, IAS17, IK18, IFL20, JC17, JLO18, JSS17, JCC20, JML21, JSH+23, JHWW16, JSH+19, JSRP20, Jon19, KST+23, KR18a]. **Student** [KAK+20, KWO07, KYA13b, KB21, KA19, jK19, KKL20, KK22b, Kim22, KÇ18, KK23, KH06, Kul18, LCA16, LE06, LBP+24, LJ20, LSW19, LL06, LFF03, Lee16b, Lee18, LLW+20, LM21, LP23, Len06, LTCCY07, Lin04, Lin16a, LLC+16, LL17, LC23, LWZ+24, Lin17, Liu05, LR08, LH08, LLL22, LDG20, Mad22, MH17, MCF23, MSA17, MSdSGG17, MRLM21, MKSK16, MRDCC17, MFG+21, NSH24, Ng10, NLW16, hCN18, Ng20, NA24, NFB+15, NK04, OS05, Oro16, OBH17, ÖSY24, PSO17, PP08, PP15, PZA16, PUR18, PN04, PTW05, PBDE23, PRW+07, Pit23, PCL18, PD17, PB09, RTC22, RSPK14, RH23, SPF23, SR21, SEW18, SWDR20, Saw19, SL20, Sch14, SLK20, SMPK+19, SKS+23, SAK24, SLC17, SCSK19, Shi21, SLCK19, SA16, SWCH20, SZCL18, SJL20, SF05, SRSD23, Str20, Su08, SG24, SWAEKS19]. **Student** [Sum16a, SK23, SCC23, THAD20, TT07, TH19, TLT21, TAC19, TBP17, TY23, Tay18, TCH+17, TWS+23, Tur22, UFW17, VRW05, Vid15, WSZ23, WSZ24, Wan07, WL08, WC16, WT18, WT20, WWM+24, WK09, Wil20a, Wil20b, XFT21, Xu22, YHL18, YS19a, YS21, YKC18, YSHC23, YS19b, YL22, YCH04, YT07, Yor23, YDL24, YCL04, YY13, YWF20, YJY08, vV16, vKF22, ARZRV16, AAMU+14, AR10, AM14a, AW12, AE16, APCK12, BZST10, Bag11, BHS15, BS15, ÇAC09, ÇTC14, CSM12, CPMSW11, CWW11, CK14, CWZ23, CDT+11, CYK+16, CBDV10, DC08, DBS15, DFR06, DMNH11, Ebr12, ES16, GS12, GN08, Gok12, Gok15, GS13, HBTP13, HCC15, HL13, Ing14, JLCT12, JWXvD23, KYA13a, KST09, KB16b, KYA13c, KKvdW15, Kuw13, LM15, Lep12, Lin06, LHL+09, Lin14b, Lin16b, Liu09, LLT09, LsL14, LM12, MS14, MMK11]. **student** [MOdBB12, MMR15, MJMOR11, MPB10, MMV16, MR14, NPR12, OL14, ÖDC09, PPS12, PC13, PMSK+12, RK10, RCT+11, RJHB12, RVG15, RT10, Rut11, SKA11, SMFL15, SWA+12, STC12, SG15, SBK+14, SW14, TSA12, TCC+10, TC09, TSP12, Uit14, VAF12, VR12, WLSN14, WCT+12, WLJ14, Wel15, WMP+12, YHT16, YFL15, ZC15]. **Student-Centered** [MH17]. **Student-led** [BB09]. **Student-teacher** [BB09]. **Student-with-GeoGebra** [JC17]. **Students** [ABAHA23, AGW24, AAM20, AAM24, Bea22, BWM+24,

CMM23, Ceg21, CC18, CMP19, DBV22, DD23, Din18, DLD18, FMOMG16, Gao20, GSJ+17, GHL22, Hil18, HDvJ21, HILAT16, HL04, IA08, KD09, KP18, KRS23, KNF+20, LAA+23, LJ16, LK24, LZL+18, LC23, LS23, MNBZH+05, Miy08, MO23, NJ24, NAÇE22, NHLS08, NP23, Nis17, ODTS07, PT23, PFFG+18, PPCC20, Pit23, RGC08, RH19, SHM21, SD16, SV08, SS18, SBM12, SC21, Sha06, SRSD23, SS19, SK23, TLR21, UM18, VB20, VCSA+23, WL18, WM19, WFWK23, XC21, Yan03, YT07, YC23, ZBL+16, ZYJ22, ZK20, AC15, Als12, AMBLL16, AK13, AU15, BSA+14, BRMNH15, CTT+11, CLY10, CC14, CCWL15, CEB12, CJOC11, DAO+11, DL12, EDS10, IK14, JC10, JW15, JLU+10, KV10, LNW22, LLWS13, LG13, MLK+15]. **students** [NEAC10, OBF15, OdC15, Ped15, RR16, SY14, SC11, TSO16, Tig14, WWTC10, WT15, WKL23, Yük14, Zei15, ZS11]. **Studies** [ERC03, GHP07, LSW19, DVV15, Hsi13, HYC+16, SLES09, WCY16, YL08]. **Study** [APR+17, AGW24, BFH19, Ber19, BBT17, BAN21, BC05, CT17, CL20, CPF24, CABR06, CT04, DNV17, FF23, Gao20, GAM+24, GG09, GRWHP19, HNMGA16, HHH+23, HHS24, IV24, JRWB23, Jia19, JSH+23, JHWW16, KBK+22, Khi23, KYA13b, KL18b, KRU19, KH06, KW23, LSW19, LB08, LM21, Lee21a, LK24, LKL20, NKR+18, Oro16, PPB18, PZA16, PN04, PRW+07, PPCC20, QCH23, QVST17, Šap13, SMPK+19, SC21, SML24, SE22, ST24, SA16, Str20, SMSBZ23, TSMW16, TLHV16a, TLHV16b, VC17, VCSA+23, WB20, Wan07, WL08, XFH23, Yan03, YnLL08, YHL18, YKKB19, YTHH22, YYC04, YCH04, ALA+15, AB14, BSA+14, BPG11, BW10, BC11, ÇTC14, Cha10, CL10, CCN+12, DW15, DRT+12, EDS10, ETG16, FD12, HFWY14, HY05, JC10, Kau11, KYA13c, KYJS12, KK16, LCC+09, LLT09, LCC11b, ME13, MMP14, MR14, OS10]. **study** [OdC15, ÖDC09, PZLR16, PV14, PMLC15, RJHB12, RL12, RT10, Rut11, So16, Tan11, TOV12, TDBLY16, Top13, TCC+10, VTCvS14, WKL23, Yan14, YHT16, ZS11, vA06, NvKR+18]. **Studying** [Saf18, TRF05, SY14]. **Style** [CL20, HP21, LLL22]. **Styles** [YSHC23, CA14, WT15]. **Sub** [BLS20]. **Sub-Saharan** [BLS20]. **Subconstructs** [JML21]. **Subject** [Gub16, HLKK23, JCC20, KLH15, Ng20, PH18, VCSW20, DW15, KN13, dFAN13]. **Subject-Specific** [KLH15]. **Subjective** [CIBP23, YKC18]. **Subjects** [TKY20, YUG24]. **submicroscopic** [RK10]. **subtask** [Per20]. **subtraction** [OO12]. **Success** [AN18, CKH15, LM21, RVTV20, PSC+13]. **Successes** [BAN21, ACY10]. **Successful** [KRU19]. **Suggested** [OE19]. **Sum** [JLC17]. **summer** [AMBLL16]. **sums** [WLJ14]. **Sun** [DC16, SLW10]. **Suppl** [LGS18a, LGS18b]. **Support** [CY23, Ceg21, Dog16, LTT+19, PEQS24, SGCS23, SGHM15, SGHM16, SP21b, TYW+17, TPS21, Ing14]. **Supported** [Gus24, FL11, LL14]. **Supporting** [Ale14, DHB19, HC23, HDR21, JWR20, Koh19, KNF+20, RG20, SJL20, HC24]. **supportive** [BK13a]. **Supports** [RTM+20]. **Surface** [AFG21, BHV+24]. **Survey** [Din18, IAS17, SWAEKS19, ZVV18, MR14, RSPK14, LAMV12]. **Surveying** [Lee18]. **Sustainability** [BSG+23]. **Sustainable** [YE23, ZBE21, BMN16, EGN11, FNW24]. **Sustaining** [GT19]. **Swedish**

[HHJR21, Joh16, Mad22]. **swh** [NCH11]. **Switzerland** [GBC21, GBC24]. **symbiosis** [Lui13]. **Symbolic** [RBT20, WLSL14]. **Symbols** [YL22]. **Symmetry** [TS20]. **Synergy** [DK18, Lui13]. **syntheses** [Rut11]. **Synthesis** [HMS16, RBE21, Hal12]. **System** [DP07, Gus24, HbK19, LL17, ST24, SVDK09, SRSD23, Wan04, DPK08, Lui13, MMM11]. **Systematic** [JSC24, JRS22, JH24, LL23, SS21, TYW+17, YKJ20, ZX20]. **Systematicity** [vV16]. **Systemic** [HMS16, HY07, HL04, KWMW22]. **Systems** [LCA16, Shi22, Wan07, CdHD16, EGN11].

**T** [VT07a]. **Tables** [Sha06]. **Tacit** [FB06]. **Tacit-explicit** [FB06]. **Tagging** [OC21]. **Taiwan** [CLY10, CCN+12, FF23, GBC21, GBC24, HL13, JLC08, KYA13b, KYA13c, Las13, LLC+16, LJC08, LLL22, WL22, WT15, WO19, WlCC+18, Yan03, YRR09, ZBL+16]. **Taiwanese** [AMBLL16, CT18, Chi12b, Cho21, Hsi13, HWW13, HpCH+16, HYL23, HY05, JLCT12, JLC+13, LY10, Lee18, LW16, Liu05, WL18, WT20, Yan14, YCL04]. **Taking** [ABAHA23, EA19]. **Tal** [TT22]. **Talented** [ATN23, AHTN24, LG13]. **Talk** [El 21, JLL20, Kim22, LLC+15, LLC+16, McG03, THAD20, TA15, KHL12]. **Talk-Moves** [THAD20]. **Talking** [EGJ09, CC14, Kot10]. **Task** [ANLL21, BML24, CIBP23, GD19, JSS17, KJ19, LHY24, LK18a, PL19b, PEQS24, RS24, SCDC21]. **Tasks** [AWL16, BJT23, BRSG20, BB19, BG22, CJ17, Dah17, DD23, Gus24, Hew04, KRV+22, LLP19, Lem21, MMA05, OGY24, PSB19, PN18, RS24, Ron18, RH19, SL20, SKS+23, Tay18, TT18, Yeo17a, Yeo17b, YC23, ZG08, Bab10, Bay13, Bes11a, Bes11b, EVV11, LM15, SY14]. **tasks*** [Lin06]. **taught** [DCFC16, EE11, MMZ09]. **Taxonomy** [WO19]. **Teach** [AO16, El 23, SY22, TNHK23, WM19, IK14]. **Teacher** [AVM16, APR+17, AHO19, AMG16, Ama20, AAF17, Ari18, Ari19, AK20, Ari24, AOJT22, ANLL21, AO16, Bal18, BSG+23, BKMK24, BE16, BML24, BÖL23, Bla04, BKC15, BHD+15, BCV21, BL21, BWO20, CW06, ÇAC07, CPTMSM22, CCW16, CD23, CRC22, CO18, CY21, Chi04, CGR17, CGTQ21, CGÖ22, CG22, CGBD23, Cor18, Cor17, CT04, CBR21, DHB19, DB17, DNWC18, DJB15, EP21, EkB19, ES08, ED23, ELCG24, FF23, FLP23, FI19, GCCCG18, GC19, GC21, GB22, Get23, GBA24, Gov17, HSMO06, HjKKL23, HHJR21, HDR21, HNAA16, HAÇ24a, HAÇ24b, HLKK23, HZL22, HC16a, HFVH17, HKS18, HYL23, HSH22, HCBS18a, HCBS18b, IAS17, IK18, İED+23, IFL20, JLO18, Jaf20, Jao17, JRWB23, JSRP20, JLL20, KBH+15, KL18a, KČŠ23, KLR23, KEC23, KB16a, Kil18, KD22]. **Teacher** [KKE+17, KLJ+13, KA19, jK19, jKMH20, Kim22, KS21, KLH15, Koh19, KRS23, KBK15, KEB21, KGM24, LNP+18, LAN20, LR20, Lau22, LSW19, LBF24, LFF03, LL05, LLP19, LL20, Lee21a, LL21a, LL21b, LHY24, LTM18, Leu22, LBBE22, LCTK24, LTCCY07, LSK18, LW16, LJC08, LdCCK21, LTD+18, LDG20, LK18b, MK23, MHIS09, MSAGHMNG19, MSGGVZDF20, MOdBB12, McG03, MWM05, MBBR08, MA21, MB20, MKSK16, MMA05,

MFG+21, MOI07, NKR+18, NPT17, Nyi15, OHLC23, OÇ08, OGY24, PSO17, PL19a, PEK+23, PUR18, PL19b, PN04, Pet22, PBDE23, PFCM23, PA22, QCH23, RTC22, RML22, RAL+07, RBE21, Rot20, RH15, RH19, RH23, RCC22, SCG+19, SPF23, SR21, SBR22, SMG+19, SCiB22, Sea16, SC21, SML24, SE22, SH24, SAA18, Shi21, Shi22, SL21, SJL20, SMZ06, Sum16a, Sum16b, SP21b, THAD20]. **Teacher**
[TK22, TBP17, Tay18, TC07, TCH+17, TSKIB22, TKDD19, TWS+23, TPS21, TNHK23, TA15, Ulu21, VHM22, VA21, WM17, WJ07, Wan20, WWM+24, WCC19, WBM21, WKG20, WHH08, WHC17, WlCC+18, XC21, YZK15, Yam18, YKB21, YKUIB17, YS19b, YUG24, YWG21, ZZ16, ZSW+21, ZVV18, rSY19, AV06, AH11, AAMU+14, AAS13, Ama16, AW12, Bag11, BB09, BW10, BSD13, BK13b, Bur10, ÇTC14, CGR13, Cha10, CVCV11, CCN+12, CBO09, DS15, Ded15, DW15, EE11, ELY15, EDMA15, Eme09, GLY09, HBTP13, HT13, Hob13, HK10, JLC08, Jac12, KHL12, KGA+11, KB17, Ko10, Kön13, KN13, KSE16, KB14, Las13, Lee16a, LG13, Li11, LCC+09, Lin06, LCC11a, Lin14a, MNE12, ME13, MIJJ15, MG15a, MG15b, Mor14, NY11, NN11, OBF15, Oli10, Ols07, OEMZ12, QM14, RRW11, RL12]. **teacher** [RCG+11, SMFL15, Šap13, SC14, TBT+10, TDBLY16, Top13, VTCvS14, Wai14, WMS13, Yan14, ZKS+05, ZC15, ZB13, NvKR+18]. **Teacher-Directed** [SJL20]. **teacher-generated** [NY11]. **teacher-researchers** [KB14]. **Teachers**
[AAAB16, Ala16, ABPD16, AD16, AM04, Bay09, BV24, BB19, Bro22, BSR24, BG22, ÇP17, Che08, DIRTBP24, Dog16, DKL16, EKC+21, EH18, ERC03, ELO08, Get23, GYU24, GPCB15, Gub16, HTCS19, HKSL22, HM09, HCBZ03, HL04, KR18b, Kot16, KEB21, LHC17, LTT+19, Leu22, Lin05b, Lin16a, Lin17, LKL20, MDF08, MSAGHM22, MS18, MRC23, OE19, ÖÖ23, PP08, PSB19, PDÜA21, QCH23, RJ21, Ron20, SC03, SIA23, SV22, SML24, SY22, SW23, Sty08, SP21b, TYC17, VA21, VBACCG22, WSA07, WSW+08, WlCC+18, XC21, YMZ22, YRR09, YKKB19, ZPW+24, BW10, BK13a, BAV+11, CA14, CKH15, CMME15, DFR06, Ded11, DK15, ELY15, GGD15b, HWW13, KST09, KIR12, KBY11, KAC15, LCC11a, Maj14, MSK22, OS10, Oh14, RRW11, WT13, ZKS+05]. **Teaching** [AOZ09, APR+17, AAAB16, AMFC21, AAF17, AGW24, AK17b, BLS20, BdSSC16, BKMK24, BAN21, Bla04, BL21, Bro22, CW06, CY23, CRC22, CO18, CCCN17, CP12, Chi09, CMP19, CT04, Dud17, EH18, Fun21, Gal22, GGD15a, HNMGA16, HHJR21, HNAA16, HE17, HM09, HFVH17, Hob13, HFBM24, HMS16, Jao17, JLC17, KWO07, KB16a, KLH15, KBK15, Koy23, LL23, Lau22, LBF24, LL05, Leu22, LP11, Lin05b, LW16, LL17, LJC08, LTD+18, MSS22, MVC17b, McG03, MBBR08, MS18, MA21, MO23, NOVRR22, NP23, NA24, PL19a, PEK+23, PYR+12, Ran06, RH15, SIA23, SGCS23, SS18, SMPK+19, SG09, SD22, SH24, Shi22, SY22, SLES09, SLZ+18, SP21b, TSMW16, TKDD19, TNHK23, VCSW20, VBACCG22, WL08, WCC19, WAL23, WAL24, WlCC+18, XC21, YZK15, Yan03, YSHC23, YUG24, ZBB22, ZBH23, ZPW+24]. **Teaching**
[ZBE21, ATG13, AV06, Aky16, AAMU+14, AAS13, BPG11, BEF15, BK13a,

BMN16, Bur10, CBO09, Ded15, DW15, EGN11, EK09, FD12, FNW24, HBTP13, Hal12, HK10, HWW13, JLC08, JLU+10, KG15, KLJ+13, KN13, MW09, Maj14, ME13, MS14, NRKR13, NEAC10, QM14, Šap13, SC14, TRF05]. **Teams** [GJ21]. **technical** [Per20]. **technique** [KYA13a]. **techniques** [LH15, Pap10]. **Techno** [JC17, vdWBD17]. **Techno-Mathematical** [JC17, vdWBD17]. **Technological** [Koh19, SHM21, YJY08, Aky16, DS15, GCK15]. **Technologies** [GGD15a, RGC08, Su08, ZZ09]. **Technology** [ALT14, BC05, ÇP17, CCCN17, CT04, DFR06, DA20a, DA20b, EB20, HCH16, JC17, LW16, Ng19, SC03, Wai14, WHH08, WCG09, HCC15, HIS+16, HISH16, KAC15, RSPK14, SIS+11, VB20]. **Technology-Aided** [ÇP17]. **Technology-Enhanced** [ALT14]. **technology-infused** [HIS+16, HISH16]. **Technology-integrated** [WCG09]. **Technology-Mediated** [Ng19]. **TEDS** [BSD13, WT13]. **TEDS-M** [BSD13, WT13]. **Tell** [SB21]. **tells** [Kni10]. **Temperature** [BF19, YLTO21]. **Ten** [KP18]. **tendency** [Bab10]. **Tensions** [HT13, LR20]. **Term** [BHWM20, CTC16, SW23, TOV12]. **Terms** [MSdSGG17, SF05]. **Tertiary** [BCC06, DG19, Fre21, Fre24, LSW19, RML22, AAF12, AÖÇ10, RT10]. **tertiary-level** [AAF12]. **Test** [ABAHA23, AK20, BE17, GG09, İED+23, KS21, LL06, Lin04, LLC+16, LS24, SP05, SMSBZ23, TK22, TDW+17, YS21, YCH04, AU15, DL12, OEMZ12, WCT+12]. **Test-Taking** [ABAHA23]. **Testing** [Bra12, LOJ08, MQ07, TMS22]. **Tests** [ABAHA23, SWA+12, GS16, Joh16]. **Texas** [Saw19]. **Text** [Ber19, ÇAC07, HHH22, HC16b, Jia19, LW18, LKC+15, RML22, WC16, WS16, AM14b, Hun14, Tip10, YHT16]. **Text-and-Diagram** [HC16b]. **Textbook** [CCT16, McC03, OE19, OC21, Ön21, RA17, Tho22, ZGZM17, CCWL15, Din14, OO15]. **Textbook-Caused** [ZGZM17]. **Textbooks** [AC20, BdSSC16, BJT23, CJ17, Cho21, Dog21, ES24, GYU24, Hon23, JMS16, LYL23, SB17, TS20, TT18, WL22, WBB17, ZF06, Als12, Bay13, DE15, GPR+18, Maj14, NY11]. **Texts** [FGD22, HBF+22, HY07, MZC+19, TSP16, YL18, YWC+18, AM14a, BPG11, FG14, WCT+12]. **th** [BHWM20]. **Thai** [DC08, NEAC10]. **Thailand** [YJY08]. **The-Moment** [CY23]. **Their** [BSG+23, CA21, CYLL23, DIRTBP24, ELRW20, FMOMG16, GZ21, Güv09, HKSL22, HLKK23, KA19, KRS23, Kul18, LWZ+24, Lin17, LLHC23, MSGGVZDF20, MWM05, NA24, NK04, OBH17, OGY24, PT23, Rot20, RH15, SBR22, SIA23, SAA18, SP21a, SL21, SK17, THAD20, VC23, WT20, WWM+24, WlCC+18, Yam18, YKB21, AH11, AB13, Are12, BS15, CPMSW11, Che12, CWZ23, CBDV10, DFR06, FL06, HBTP13, HEB11, HWW13, KB16b, KKvdW15, Las13, LY10, LLT09, LsL14, Maj14, MAL+11, MMM11, PSO17, STC12, SGCA18, Wil20a, WMP+12, Yan14, Zei10, ZS11]. **thematized** [GLSM11]. **Themes** [Sum13]. **Theorem** [SBM12, ZZ16]. **Theoretical** [CMP19, KBH+15, TLK22, TLK24, KTBG15, MNE12, Nyi15]. **Theoretically** [ELCG24, vDDDB22]. **Theories** [McC03, WFK+16]. **Theory** [CIZ+23, KŠČ20, LR20, LC14b, SB21, WESS23, WFK+16, YKJ20, YDL24,

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