A Complete Bibliography of Publications in
Educational Studies in Mathematics

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Title word cross-reference

$(-8)^{1/3}$ [TE97]. $-2 = (-8)^{1/3} = (-8)^{2/6} = [(-8)^2]^{1/6} = 2$ [GR97]. $2$ [MP96]. $2 \times 2$ [Roo71]. $3^{6^mc}$ [Une74]. $dy/dx$ [Thu72]. $i$ [Sch11b]. $\mathbb{R}^3$ [SP16]. $\mathbb{Z}$ [Rev76]. $n$ [Bac71, Sch11b]. $S_4$ [Hah75]. $\Sigma$ [Gro77]. $\varepsilon$ [Roh10]. $x$ [Mos98].


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1 [DWMB05b, EH05a]. 10th [RR05]. 10th-Grade [RR05].
11-to-13-year-old [Rou68]. 11-Year-Olds [FB02]. 12 [Rut05, WN04].
2

19th [Dam87]. 1er [Cas69c, Cas69b].

2 [DWMB05a, EH05b, Pea76]. 2001 [Rut02]. 2003 [Ano04c]. 2005 [Ano06b].

3-space [MRCR11]. 346 [Uhl03]. 3D [PC10].

5-year-olds [Wri94]. 50.3 [Uhl03]. 5ème [Une73]. 5th
[Une73, OK05, RRP91, Wal73b].

6 [Bal90, Egs70]. 6-year-olds [LH18, Wri94]. 6ème [Une73]. 6th
[Une73, Wal73b, ZS07].

7-Year-Old [Eva07]. 7th [BCFF+98].

8-year [WC08]. 8th [AF05, RRP91].

978-0-521-76166-6 [Sfa15]. 978-1-107-68569-7 [Sfa15].
978-1-139-04536-0 [Sfa15].

être [TLM07].

abacus [Eng75, Eng76]. Abbreviations [Nar00]. Abduction
[Mey10, PR11]. Abilities [Eng97, AKL80, Bis80, SM72, VP13]. Ability
[Cla07, MC01, Rut87, AG83, BCLH89, Dek87, EJ13, FQL+17, HH78, Hod96,
LC81, PC10, Tar09, VR09]. Aboriginal [Gra88]. above [HP03].
above-average [HP03]. Absolute [AI12, MH97, SBP11]. Abstract
[Haz99, Arm96, Cob86, DL14, FC12, GE98, SW14, Tic12, WR96].
Abstraction [Haz99, HZ05, Kid08, MO06, ES96, GE98, MW00, Sch16].
Abstractions [Nar00]. abused [TTL+13]. Academic [CBS12, RC04,
AAB03, Cas04, Cob87, Eve99, Hah14, RC02, SPF14, Wak14]. accelerate
[MB16]. acceptance [FTM81]. Accepting [ODV06]. access [SJS12].
accessibility [SHAC01]. accommodation [KRHD15]. accomplishing
[Rob95]. accompanying [Rob95, Sin03]. According [LH97, Tre87].
Accounting [Riv07]. Accounts [Llo06]. accumulation [YS12]. Accuracy
[McD89, RSL17]. Achievement
[CRL06, Rob90, Ade98, Beg71, Cas04, Che88, Cra12, CLSM17, Han89,
IWF+15, Kae93, Kae94, KAJHB10, LC15, Lor82, Ma96, MK91, NC15,
SJ17, SC17, Sou83, TA08, TF95, Tch11, Zep81]. achievements [Fre75].
achieving [Kar10, KB11]. Acknowledgements [Ano99a].
Acknowledgment [Fre78a]. ACODESA [HGM15]. acquired [Dag96].
Acquiring [Wea90]. acquis [Dag96]. Acquisition
[TDGV09, CLR16, Une74, Hee85, KT01, MB16, SL74, Ver79]. acquisitions
APOS-Based [DWMB05b]. apparent [Dum82]. Apparent [BG69].
apparently [Dum82]. Application [Bal71, LH06, Bec77, CEMP04, HJ93b, TW09]. application-oriented [Bec77]. Applications [Blu02, Als02, BN91, Bur80a, Eng68, Pol68, Pol69, Wit73a, Wit73b].

Applied [BN91, Les81, Lyn68, Eng69, Gori88]. apply [Wat87]. Applying [Bec77, HJ93b, TW09]. apportion [Bec77]. Applications [Blu02, Als02, BN91, Bur80a, Eng68, Pol68, Pol69, Wit73a, Wit73b].

Appraising [HEW10]. appreciation [Ano98b]. Approaching [SS06]. apprentice [Hah99]. apprentissage [Cha71, DAG96, CLR16, Duv70, Mot71, Sch92, Ser76].
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Approche [AP75, CGS76, Com77, BC78, llo00, Rev76]. appropriate [GBMB70]. Appropriating [Car10, Mos04]. Appropriation [BC82, BC82]. apros [Fre69d]. Aptitude [BHX97]. AP [FB02]. Archimedes [Fre77b].
arcs [Moo13]. Area [DV98, BN96, CF00a, DPG89, FK17, Kor03, KSL11, PH96, SS17, Yim10]. area-comparison [CF00a]. Areas [II05, ZM91]. Argentina [SS93b].


Arithmetic [GL98, Gri87, GB17, SS05a, BFG84, Cob87, Fro99, Gal02, GFWL11, GE98, Gra91, Gri13, HL94, JR72, Jer73a, Jer73b, Kir69, LCD90, LW89, Lev81, Lie90, Lin90, LH96, MP14, Nes76, NK77, SLS74, Sfa15, Sla98, Tre87, Van03a, SB97].
Arithmetical [BEW99, Lan86a, FV13, MS09, Sem84, TW09, VV13, Ver79, VR09, Lab78]. arithmetico [HSZ17]. arithmetiques [Lab78, SB97].


Aspect [BC05, Fri11, Lab78]. Aspects [El 86, Gal81, New98, Nis99, Ste91, Tru15, AG83, Bel79, HR74, HP12, Lor82, Sch83, TPHS07, Van93a, Van69b, Vol69, WS18]. aspiration [Kle12].
aspirations [BWHM+10, WS18]. assemblage [FF17]. Assessing [Coo98, HI94, IIO5, SD13, Hay87, JTP94, JLM97, JI15]. Assessment [AKL80, Ban11, Eva07, Wat05, Wl01, BH95, BLP10, BAZF04, CWYP92, EN79, Ern84a, FK17, FGA94, Fre13, Lor82, MRFW+12, MO94, Rut94].
SS15, TJ94, TPHS07, Tzu07, Van94, Wil71, Bui76]. \textbf{assessments} [MM11].
\textbf{Assessors} [Wat00]. \textbf{assimilation} [Une73]. \textbf{assisted} [GS72, GS76].
\textbf{Assisting} [BSF96]. \textbf{Associated} [Mes04, Kie81, WM01]. \textbf{associating} [Joh15].
\textbf{association} [MWS17]. \textbf{associativity} [SL74]. \textbf{assumptions} [Kle12].
\textbf{Astonishment} [Rot17]. \textbf{astray} [BSV95]. \textbf{Asymmetry} [SJ17].
\textbf{ATD} [BGT17]. \textbf{Attached} [Dim04]. \textbf{attainers} [Bac89]. \textbf{attaining} [DB86a, DB86b].
\textbf{Attainment} [FB02, Bla85]. \textbf{Attempt} [SSLM+05, Van94]. \textbf{Attention} [NN07, Bar03, PPPP14, WHE09].
\textbf{Attitude} [Han02, RMA98, TA08]. \textbf{Attitudes} [GH98, PC98, Wat05, bMYT98, CPP09, Che88, GC90b, Gan92, KM93, LC13, Ma93, MY84, MN95, PMG94, Re06, SC17, Wit71].
\textbf{attributions} [Min83]. \textbf{attribute} [PM15]. \textbf{Attributed} [Spe05]. \textbf{attributes} [LH18].
\textbf{attributions} [CL84, FPCL90]. \textbf{Audrey} [KT01]. \textbf{August} [Fre69a, Fre78b]. \textbf{Auslaufvorgänge} [Bec77]. \textbf{Australia} [Ano16b, Bla78, CBF07, MNRR95, Wat05]. \textbf{Australian} [Cla07, SV09].
\textbf{Auswahl} [Beh68]. \textbf{authentic} [Her02b, KMA02, WHC09]. \textbf{authenticity} [Pal08]. \textbf{Author} [Uhl03]. \textbf{Authority} [AF05]. \textbf{Authors} [Ano98a, Ano00a, Ano00f, Ano00g, Ano01b, Ano01c, Ano01d, Ano01e, Ano04e, Ano05, Rut98a, Rut98b, Rut99a, Rut99c, Rut99c, Rut00a, SS05b, Ano02a, Ano02d, Ano02e, Ano02f, Ano03a, Ano03b, Ano03c, Ano03d, Ano04a, Ano04b, Ano04f, Ano04g]. \textbf{auto} [Plu79]. \textbf{auto-contr^ole} [Plu79]. \textbf{automata} [Hol81]. \textbf{automatic} [Pas78]. \textbf{automatique} [Pas78].
\textbf{Autonomous} [FP85, Woo16]. \textbf{Autonomy} [Sk04, Huy07]. \textbf{autour} [Cas69c]. \textbf{aux} [AL00, AV76, FPM69, FB02]. \textbf{auxiliary} [FQL+17]. \textbf{Average} [Wat07, HP03, Mak14, NPH99]. \textbf{avoidable} [Hew12]. \textbf{awakening} [Mes89].
\textbf{Award} [Ano14a]. \textbf{Awards} [Ano06b, Art05, Art02]. \textbf{Awareness} [TER98, Tsa07, Neu99, Shr10]. \textbf{away} [SPNH12, Vog70]. \textbf{awe} [Car08].
\textbf{Axiomatic} [Rog71, St071]. \textbf{axioms} [GS72, Zas71]. \textbf{axis} [dF04].
[KV75, Kno77, LS11, Pro70, RT09]. classified [Bar88]. classifying
[AS17, Vol77]. classique [AL00, Pro70]. Classroom
[Adl97, AF05, BT05, Bau92, BR17, Bus05, Cha06, Elb03, Fli05, MCB05, MF97, McN00, NN07, OVD06, PBY03, SL06, See01, Sou83, TN15, WI01, ZS07, AI07, APS09, AC95, AH76, AL78, Ban08, Bek10, Bra14, BS94, B896, Bro96, Bro14b, CYW92, CW96, DT12, DK15, DDB+10, FP07, For95, FA01, FA03, Ger88b, GBC12, Giu13, Giu16, Han10, HEW10, HEWC10, HMMG18, Hud90, Jun91, Kem81, LZ08, LSH09, Leu95, kSL13, Lor82, MPdP17, NK17, NR10, Nol16, Nor15, PRR08, Pla14, Rad11, RR11, RNM12, SG08, Ste97, TL15, Tay96, TD12, Tic12, TJHD11, WHE08, WHE09, Wal17, Was15, ZZ08, dA00, dFS12, Fer15, HSNHHE15, SJS12, Rad11].
Classroom-based [BR17]. Classrooms
[Bes07, GP01, Leu05, Llo06, Mor00, Nte06, CWT12, FQL+17, FKIA15, FBA10, GdA09, GMHG09, Han12d, HP08, HMT13, IWF+15, Kap09a, Lam15, LX16, LC15, McC14, PPG95, Rot16, SA00, TZLT95, Woe96, MR17, Han12a].
Clements [Ste13]. climbing [Fyh08]. Clinical
[BR06, GS08, Tsa02, BC12, Car08, NF09, NEM99, Pro13, Rad09]. Cognitive
[AAT99, Bag06, Dah04, Ds05, Duvo6, Kuec81, Lec92, LH06, PPC09, SA07, Si105, SW94, Wat07, CPPT+13, CF00a, FG17, Fro99, FM09, HL94, For17, KKB+17a, KKB+17b, KC09, LD88, LH96, McD89, RL12, Sfa15, Sou83, TK14, TF95, Wat02, Yan12]. coherence [CDW14]. coherences [Mey10].
coin [Sfa91]. collaboration [Cor17, TS18]. Collaborative
[DEM04, DEMW06, PDV07, RL00, Bju04, Car10, Fra13, GG96, GGR02, HGM15, MYM12, Ryv04]. Collection [FB98]. Collective
[MT15, CSS+14, Gel08, MRCR11, RWZ15]. College
[Rut05, WW07b, WN04, W105, Bag73, Har90a, Hol81, MWSS17, O‘B73, QM94, Rot14, Sha77, TJHD11, Wai70, WM09, SE93]. colleges [For99, For99]. colloquium [Fre69e]. Colombian [AV08]. color [Bat13].
column [Her02a, Tre87, WHC09]. Combatt[RR80]. combina[torial]
[Dub84]. Combinatorial
[FG97, GBR05, Kap70, LG16, BNPG97, Dub84, HH81]. combinatoric
Comment [AA03, RC04, Ser68, Fit15a, Fit17, Kei82]. Commentary
[Ber06, Fit14, Rod06, Sch12, Sec01, Tab13, Ver12, AGP15, Pea76, Sfa09, Sin93]. Comments [Hof06, Mar72, Ril86, Uhl03, Bur02a, DRR02, Dra14, Gri78].
commercial [Kir69]. Commission
[Ano95e, Ano04c, Ano04d, Art05, How84, Ric10]. commitment [RR11]. Committee [Art05]. Commognition [Pre16]. Common [ZML87, Fit15b].
commonalities [Bur02b]. commonly [Hew12]. communicate [BCLH89]. Communicating [SLP06, Sfa01, Win11, Woo12]. Communication [Big70, Kae94, Ong06, BH95, HP08, NR10, RNP13, SS15, Wil09]. Communicational [Par16, Ste05, TN16]. communications [FE09, HI94, Ng16]. communicative [FT03, TDEM13]. communities [Bro14a]. Community [Boa99, WM09, Elb03, FA01, GC90b, Gra04, Mog17, Nar16]. Commutative [SS06]. commutativity [SL74]. Comparative [And09, Miy17, War06, Bra11, FZ07, Gal82, JI15, LCD90, MRRF94]. compared [Fre75]. Comparing [BWD10, Hin15, WM98, Fos18]. Comparison [BCFC90, ČK15, CBF07, Pug04, Tsa99, WAL18, AH00, CR09, Cla92, CF00a, Cor17, DT08, FKC17, GCALB15, HC14, KV75, SLC95, SHAC01]. comparisons [FLT14, Rob90]. compass [Cha98]. compensation [Dem93]. competence [Abr01, CLR16, EN79, FT03, Fos16, GMHG09, Hie88, TH13, Urb03, CLR16]. competencies [KBK^17a, KBK^17b, LLHL13, Sae09]. competing [ES03]. complement [DeB97, DeB97]. Complementarity [Ott03]. Complementary [Wit71, Kid08, Wit81]. completed [RW11a, RW11b]. completely [Sur77]. completeness [Ber08]. Complexity [ODV06, BWD10, Gri83, JP09, Kap09b, LE09, Tho93, Was15]. Components [Cop98, Kun12, Kry88b]. comportement [Add72, KC73]. Composantes [Cop98]. Composants [Kry88b]. Comprehending [Uhl02, Bur02a, DRR02]. Comprehension [CF00b, Duv06, Ōst06, Gel98, MRFW^12, Rob75, YL08, Yan12]. comprendre [Kra02]. comptage [TB09]. computation [CB89, MNRR95, PLW81]. Computational [Edw84, JS99, JM74, Zah15]. Computer [Ern86, GH98, GS76, VL04, AP75, BC92, C175, CBSS96, Dag96, Gan92, GBE13, GS72, HC95, HKG89, Jah83, Kor03, Kyn93, MG00b, Nos88, RH02, Sam85, Smi70, SW94, SLJ69, Sat89, TAOH8, TT91, TPHS07, Thw69, Wal68, You68]. Computer-assisted [GS76, GS72]. Computer-Based [VL04, CBSS96, GBE13, RH02, SLJ69]. computer-provided [HC95]. Computerized [Kap01, HN96, Tro04]. computing [Art97]. conceiving [TLM07]. Concept [BM08, DWB05b, DWB05a, FB98, Has97, HM95, LW99, PLW81, Prz05, TV81, BS80, DPG89, FYAE12, Fis77, FJC95, Fre69c, Fre93, Gel04, Gič13, KC12, Kor03, MRC11, Noe80a, Noe80b, Rel96, Ryv04, Saj03, Šam85, Sen08, Sim17, Ste91, Str78, TP14, Vin76, Vin77, WSR11, Wit73a, Wit73b]. conception [BDHN92, MPGDA12, Mos98, PP12, Sim17, TT07, Tzu07]. Conceptions [GT95, ST02, Sch11a, AV08, AH00, Bon02, BHN10, BF96, HS13a, HK84, LK16, MK97, NH15, Par91, RT09, Sfa91, ST10, TK14, Tha10, Tho84, Woo12]. Concepts [Bag06, BH05, DDLZ97, Haz99, Kie81, RL12, Bur96, Cha98].
Conceptual
[GMHG09, Lam15, LSH09, Nos86, Sch16, THS06, Abr09, AP01, ETC14, FQL+17, Hum86, JS01, KP10, PK92, Web01, WJW11]. Construction
[Eng06, MDD04, NHH97, OB06, OPC+98, AC95, Bar09, BZA01, BC96, GPPT99, HS99, HM13, Kom17, Kon93, MB09, MRCR11, MYM12, WR96]. constructionist [MK14]. constructions [KD10, SS09]. constructive [SS03, T394]. Constructivism [Ler89, Loc92, Ste98, Zev96, Har09b, Eng99]. Constructivist
[MHDC04, ODV06, Ant06, Bau92, BJ88, PK92, Rot17, SS91, SS93a]. constructs [RDH10, Sin17]. Consumer [Eng06, ETC14]. Contemporary
[Feh09, BW12, Wil12]. Content [BE84, Dör03a, Boa93, CLSM17, GB17, Jan09b, KS09, Kom16, Kun12, MM11, McD89, VP13]. content-oriented [KS69]. Contents [Ano01a, Ano02b, Ano04h, Ano06a, Ano06i, Ano00j].
context

cross-disciplinary [VRP+12]. Cross-Sectional [EJDT06]. Crossing [LH96, BA14, Bak16]. crossroads [LHZ95]. crux [Fre74a]. cryptography [Whi09]. CSMP [Ano71a, KS69]. cube [Gla70]. cubes [BHLH85]. cues [NT75]. Cultural [Ano81b, GL00, GB17, Ler01, Bis88c, Bro12, Bur90, Car10, CL84, Cra12, Nos88, Sfa15, SGTK14, YC95, dA00, Sfa15]. Culturally [Fit11, Cra12, Mat03, Mog17]. Culture [BHX97, Lou18, MHRUS99, SK98, SK07, Bis79b, Boa90, Che90, ETC14, Ger88a, Han12b, MPS12, NK17, Pre88, SJS12, vO01]. culture-conflict [Pre88]. Culture-Specific [BHX97]. cultures [Bau92, CB17a, CB17b, Mit80, Nos01]. cups [CO10]. curious [Mar86]. Current [XH88, NK17]. curricula [BJJ13, Gri71, NK17, SS10, WAL18]. Curricular [BCFF+98, ZC06, CMW+13, CHM16, NK17]. Curriculum [Ano76a, Coo98, HBH07, Kap77, Kei82, NC06, Pop88, RC04, AAB03, CP10, Che89, CEMP04, Die15, GC90b, Leu87, PMG+94, RK17, RC02, Tay91, XH88]. custom [Her02a]. cut [Bos93]. CXC [Ern84a, Isa87]. cycle [Bui76, Cas69c, Cas69b, Lev92, TSV82]. cycles [Sim94]. Cyclic [CB05]. cycloid [Bar75]. cyphering [Ste13]. Czechoslovakian [Vys75].

d [Dam87, MP96]. d’addition [AL00]. d’aire [DPG89]. Dakar [VD78].
d’analyse [GT95]. dans [Ano72a, AG02, BD72, Bos87, Bui76, Cal94, Cas69b, CGGGG74, Dag96, DS02, Dum82, DG89, FBMT1, Hah99, Kon72, Kry98, Kry99b, Kry88b, bL00, Mas69, Mau85, Pro70, Rev72, Sar02, SB97, Ser76, Siw73, TSV82, Tro00, Van69b, VD78, VD79]. d’apprentissage [DP89, Tro00]. Data [Eng12, KHRK15, Lei05, MC01, WM98, AGP15, AP01, AWL15, BZA01, FB02, GT95, GB13, Han10, LH8, LT6, LMCG08, Min83, RT14, VRP+12]. Dataset [Rut05]. David [Jon16, LX16, Bye15]. Davidov [Ott76]. Davidov/D [Ott76]. day [Ano74b]. Deaf [Fro99, SLS74]. Debate [LH06, HGM15, WMPL08]. debutants [Sam85]. d’échecs [Kon72]. decided [KP10]. Decimal [MM00, BST81, O’C01, SHAC01, Wea90]. Decimals [OK50, GT90]. Decision [Bis76, STM06]. Decision-making [Bis76].
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democracy [Sko90]. democratic [Tay91]. demonstration
[CLR16, Duv91, Pas78, CLR16, Duv91, Pas78, Rut02]. demonstrations
[Bal80, Kon72, Bal80, Kon72]. Denkstufen [Van76]. denominators [Str82].
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Department [WD14]. Department-initiated [WD14]. departments
[BWD10]. depicted [TP15]. depth [Bek10, DVJV02, Han12a, HMA13].
Derek [Jon16]. Derivative [ASP97, MZ12, Par15b, Par15a, Par16].
Derivatives [Hir72]. Derive [Art97]. Describe [HDM07]. describing
[BWD10, Dra14, Hoy01]. description [vdS11]. Descriptions
[Pug04, Bar09, MK97]. descriptive [DB86a]. design [Abr09, AGP15, Bel93b,
CSK12, Fre74a, Had78, Hah14, MM11, PHS12, Row08, Sin03, Str93a, Wit95].
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dessins [Bal88]. Determinants [Tie02, Nes76]. determination
[GP17, Kon72]. determine [Kon72]. determining [SPNH12]. d’étudiants
[Cal94]. deux [De 08, TSV82]. devant [De 94, DeB97]. d’éveil [Mes89].
develop [TJ94]. Developed [Rvv06]. developer [Art97]. Developing
[BH05, BW93+10, BC12, Fos18, GLBZ15, Gol03, LXT02, MMP15, Mor00,
PY03, PXTW17, SS15, TD12, TH13, Vek71, Wat07, Wit01, Ale81, Bak14,
CSK12, GFJ13, Hie88, Hoy01, Jou13, Shr10, SS88, TN15, TDEM13, VR90,
YTD11]. Development [Ano04d, BDHN92, CBSS96, CB00, Dah04, DP99,
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Wal73a, WM01, Wat01, Ano71a, Ano76a, Ba88b, BS94, Bro14b, BTvG17,
CPK08, Cha98, Cra96, Ell13, ES96, Eve99, Fis69, Gel08, GE98, GH02,
HM95, HM13, HMMG18, HHDG16, HMT13, JSV75, JPO9, JE14, Kap77,
KWF15, Kru13a, LMD92, Mas69, NT01, NGR82, Noe80a, Noe80b, RL00,
SM17, Sem08, SS91, Sou83, SJ04, TS18, TP14, Van69b, VV15, Van71,
Wit16b, Win11, Wit69, Wri94, XH88, YC95, Zas71, DB86a]. developmental
[HYC97]. Developments [Kap80, Sfa13, BP15, Fey89, Volf76].
developpement [Fis69, LMD92, Mas69, Van69b]. Devices [Baz01]. devil
[Fre71]. devils [Vog70]. Devising [AG14]. Devoir [Cop98]. devoted
[Beg71]. devraient [Kry88b]. d’exemples [BZ01]. d’expériences [AP75].
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[Bel93c, DB86a, DT08]. Diagram [DFS12]. Diagrammatic [BH05, Kru13a].
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dialectic [AG02, Bar16]. dialectical [SPS17]. dialectique [AG02]. dialog
[HH12]. dialogic [KWF15]. Dialogue [BGT17, Zev06, Bar16, BB03, Con90,
LK16, WHE08, ZG01, ZK15, Web18a, Web18b]. dice [Nil07]. Didactic
[BBEG05, DGA05, Flü05, Gel04, HPG05, Jal01, Art97, DG03, Sch83, TH13,
Van69b, Wal76]. Didactical [AL78, BG05, MD01, MW09, Usi86, ABM92,
Fre93, PvdHPR12, Ste69b, Van94, Van03b, Win03]. Didactics
[Fri07, Str08, BB03, Gof77, Gre17, WMM13]. didactiek [Gre17].
didactiques [Art97, TSV82, Van69b]. Didactising [YSRU03]. Didactizing
education [Sta11, SW92, SB12, Str87, SS88, Swe77, SC83, Tal08, Tao86, Tou90, Tre93, Tur93, Van93a, Van03b, VVV15, VD78, VD79, VCS95, Wil78a, Wil12, Wil16b, Wil78b, Wit84, Wit95, Wit01, WKB97, ZM91, dF12, dFS13, vO13, vSBvR00, Ano91c, BGW+16, Fit11, All99, Eng99, Bak16, Law16, Sri18].

Educational [Ano02c, Fit15a, IE07, VR90, Wal17, vO01, BDS+17, Hus87, Kla71, MO81, Mog17, TE14, Pae76, Kae94]. educationally [HBH07, LK16, NR10, RNP13, WL90, ZBBZ85].

effect [BCLH89, BHLH85]. Effective [HH07, LK16, NR10, RNP13, WL90, ZBBZ85]. effectively [ADE98, WAI70]. effectiveness [Ade98, Wai70].

efforts [HMMG18]. Efraim [Ano98b, Gre01]. eigenvectors [ST10]. eight [Han89]. Eighth [CO10, Min83, SV09]. eighth-grade [SV09].

Einführung [Bec77]. Elaboration [LDM92, LDM92]. electrical [Rot14]. élémentaire [AR82, FPM69, Gla76a, Roy81, Sen96, TSV82].

Elementary [Cret69, FPM69, GB17, HDM07, HBH07, MF17, NN07, SoI01, Ste07, Tie02, Uhl02, Uhl03, War06, Ala12, And79, BH94, Bur02a, Cha18, Csf16, DRR02, Eng71, Fre74b, GEL58, GLA76a, GFWL11, GS76, GPPT99, HOS13, HC95, IWF+15, Jan99b, JM74, LS70, Law00, Nim75, Nos86, Phe10, RL13, Row08, Roy81, Sen96, Ste97, TA08, TSV82, Tie00, TG89, Tou86, TP15, ZZ11].


Ellipses [Rut02]. elliptic [KP10]. else [NHN03]. emancipation [Rad12]. embedded [RK17]. Embodied [Abr09, BR06, NEM99, Wil09, NF09]. embodiment [TR11, dFS12, dLT08]. Emergence [SS05a, AGP15, Dam87, FGG13, HMA11, Pro13]. Emergent
Emerging [ABK+05, BF96]. Emeritus [Ano16b]. Emma [Ano14a, FM14].
Emotion [ETM06, Rod06, TL15]. Emotional
[BR06, ODV06, WW02, KHP08, LM11, MSdSGG16, Sec11]. Emotions
[Han06, ODV06, Han02]. Empathy [DS05]. Emphasizing
[Mos05]. Empirical [LPG05, Mes04, Cha93, Fre72, Fre79b, GP17, Jan10, KM93, Kom17, MRSP14, Roh10].
Employing [FP07]. enable [Blo03]. enabling
enactments [TTL+17]. encounter [RFK07]. encountered [SB97].
encounters [Nil07, dF16]. Encouraging [Bos93, TT91]. Encrypted
[Whi09]. enculturation [PT09]. End
[VS97, De 93, Ue874, Her11, Lev92, Sen96]. ending [TT01]. Ends [Zaz98].
enfant [Bic82, Com80]. enfants
[AV76, Com77, Kra02, Mas69, Rou68, Van69b]. enfeeblement [Ham68].
Engage [STM06, CBSP12, LMC08]. Engagement
[Cal94, WI01, Bra14, CSS+14, DLK14, TN15]. Engaging [Ell13]. engineer
[BW13]. engineering [BP80, Win03]. engineers [GK79, Has68]. England
[Coo98, HMA13]. English [Gre17, AH00, Bar03, Daw83, Eva07, LR81, Lyn68, VM13, WAL18, Wha96, Zep81, Zep82, ZML87].
English-Medium
[Wai07]. enhance [QM94]. Enhancing [MPdP17, Wal17]. enigma
[ARHS14]. enjoyment [SLP+12]. enlightenment [KD10]. enough
[Als02, Dho93]. enquêtes [Del68]. Enquiry [FA76]. enrollment
[Ecc85, Wai70]. enseignants [SB97]. Enseignement [Fis69, Pis68, Ano72a, Ano00h, AV76, Aud83, BD72, Cas69c, CGGGG74, Cas77, Del68, For69, Fre69a, Fre82, Gau69, HK69, Kry68, Kry69a, Kry69b, bL00, Mar69, Mas69, Pas78, Rev68, Rev72, Roy81, Sar02, Sen96, Ser69, Si73, VD78, VD79].
enseigner [Ser68]. ensemble [TLM07]. Enseñanza [Cas98].
entanglements [Fer15, HSNNHE15]. enterprise [AM14]. entrance [SC83].
entre [Bal88, DG89, Her11]. entry [Kae90]. Entstehung [Dam87].
Entwicklung [JSV75]. Enumeration [MDD04]. Environment
[GH98, Kap01, Mar00, BCFC90, BC96, Dag96, DG89, HSZ17, Kyn93, LDM92, MG00b, MN95, TAHO8, Tro00, Wal12, Whi09, YS12]. Environments
[Lab00, Art97, For95, HHS00, HN96, HS99, LH18, LBFM13, PK92, TY04, Tro04]. environnement [Dag96, DG89, LDM92, Tro00]. Environnements
[Tro04]. episode [Cli17, DGFT13]. Epistemic
[RL13, RC94, SHAC01]. Epistemological
[DGA05, Jah01, Ste97, Ste05, Ste06, Wil97, Hei75, NBZ12, Rad03, Sie87, WM09, WMM13]. Epistemologies
[Sol06, NPH99]. Epistemology
[Ham98, Kid16, Ott06, BP15, Bur95, Sch11a, Ste91]. epos
[Tou90]. épreuve [Mau85]. épreuves [Dum82]. Equal [SLW98]. Equality
[SLW98, Kie81]. Equation [GR97, PM97]. Equations
[PM97, CO10, Hew12, HC14, LH96, Rüe13, Ves73a, Ves73b, Vla02, dLT08]. equitable
[Han12b]. Equity [Fen79, FB11, SJS12]. Equivalence
[Ham96, Asg09, SK13, SSP04]. Equivalent [Ham96]. era
[Cra96, KK10, Art15a]. Erna [HJ12]. Ernst [Ste98]. Errata
Erratum [Ano76b, Ano75c].

errors [TLM07].

erreurs [TLM07].

Error [FZ05, GCALB15, Kar16].

errors [FZ05, GCALB15, Kar16].

errors [FZ05, GCALB15, Kar16].

error [FZ05, GCALB15, Kar16].

essential [Kry88b].

essentiel [Kry88b].

examining [KMT16].

examen [Ern84a, Kap74, Kom17, PXTW17, Sty11].

examinations [Bro10a, GM84a, GM84b, Isa87, MRRF94, SC83].

examining [AA92, BJJ13, CPPT+13, Doe06, FE09, Güc13, LG16, MM00, P00, RWZ15, XM17, Bra14, CSS+14].

Example [DH97, GD99, RR05, Zaz99, Bak16, Bra68, Cha98, CV16, Di671, FCN14, GM08, HK09, Jaa93, MG12, Van03b, YE16].

Examples [BK91, JIV17, Sin93, Ste68, Ste69a, AI08, BZ01, IIMR+11, MP84, Row08, SMW13a, SMSW13b, Sun11, Van93a, WS08, YM16, ZZ08].

efficiency [Fad96].

exchange [Wil12].

exclusion [JGR14].

exemplary [CDW14, ZC08].

example [Bro68, HK99].

examples [BZ01].

Exemplified [Ong06].

Examining [AA92, BJJ13, CPPT+13, Doe06, FE09, Güc13, LG16, MM00, P00, RWZ15, XM17, Bra14, CSS+14].

Example [DH97, GD99, RR05, Zaz99, Bak16, Bra68, Cha98, CV16, Di671, FCN14, GM08, HK09, Jaa93, MG12, Van03b, YE16].

Examples [BK91, JIV17, Sin93, Ste68, Ste69a, AI08, BZ01, IIMR+11, MP84, Row08, SMW13a, SMSW13b, Sun11, Van93a, WS08, YM16, ZZ08].

experimenting [KMT16].

experiments [Han71, Val73b, AP75, Bel93c, Fre77b, Jee71].
functional [Ber04, BBG+17, Vol86, Wil16a, YG99]. Functionality [Gor98].
functioning [Sam85]. Functions [AWL15, BBEG05, Ham06, Mes04, Mos04, Blo03, BC96, CS94, Cor17, Eve90, FLM07, FBA10, GK71, Har09a, Kar02, SD95, TMP10, WAL18, WT14, Whi09, Bos87]. Fundamental [DDLZ97, II05, Bur96, DDLZ94, Gri13, Hah75, Hei75, Law00, Mas69, MW09, Tho04b, Witt00]. Further [Bur06, Del69b, Gen70, IS09, MRW14, Tha10]. fuss [Sfa09]. future [Fle71, GC90b, GCG+92, How75, KL14b, SB97, Str03, SS17]. future-oriented [LK14b]. futurologist [Tal08]. futurologist [SB97].


Gender [BH97, Che89, For95, HH88, LNL13, Rel96, Say94, TZLT95, Tie00, Tie02, VL04, Ade98, AC95, Jun91, KM93, SC17, TF95]. Gender-related [Tie00]. gendering [FLT14]. general [BD72, FC08, LBT07, MPG12, MP84, BD72]. generalisation [FS16, FF17, MW00]. Generalising [ZL02, EJ13, JE14, MPdP17, Riv10]. generalizations [CK15, TAH08]. generalizing [LD95, Wil16a]. generate [Nor16]. Generated [Ber06, Bur05, WS08]. Generating [SMSW13b, SLC95, HKG89, IIMR+11, Shr10, SMSW13a]. Generation [DH97]. generative [RL04]. Generators [BC05]. Generic [MP84, YE16]. Genetic [Sch83, Zas71, FP07]. genre [PW03]. geoboard [Har74, Har75].

Geology [Wit05]. géomètre [AG02]. Geometric [Lev71, MMBD05, Nar00, Car10, FQL+17, HKG89, KR11, McD89, VO17, WR96, Yan11]. Geometrical [Eng71, Kyn93, TMP10, CH13, GP90, Ger88a, GB01, KSL11, LL13, Mit80, PPP14]. géométrie [Aud83, CDGG76, CLR16, Hol69, HK99, Mes89]. geometries [Ste76]. Geometrieunterricht [Wal76]. Geometry [ANO71b, ANO74b, Bar07, BH11, Fre71, HHS00, Jon00, Lab00, LR51, ANO71a, AG02, Aud83, BS80, Bju04, Bos93, Bra11, CDGG76, Cha93, Chi98, CLR16, Cox71, Egs70, Ern86, Fle79, Fle71, Fle76, GL10, Gal11, Gla70, Goo07, Her02a, Hol69, HK99, Hoz81, KP10, Kel71, Kle71, Kom17, KR11, LG13, LBFM13, LL13, MG00b, Men71, Mes89, Miy17, Par88, PPC09, PC10, Pro69, Rev71, Rob12, Rog71, Roo71, Rot14, SPC+16, Sch71, ST08, Sen70, SC90, Sin03, Ste71, Sto71, TY04, Tou90, Tri95, Van71, Vil71, Vol76, Wal73a, Wal76, WH15b, YL08, Yan12, WH15a]. German [Bec77, BIZ87, Bra13, Das87, JSV75, Sel01, Van76, Wal76]. Germany [ANO74b]. Gert [Law16]. Gestalt [Sha98]. Gestion [DG89]. gesture [YTD11, dFS12]. Gestures [APRS09, Edw09, ART15b, CH13, FS16, HH11, LLD14, MB09, Ng16, Rad09, Sha09, WFCW15, YTD11]. Gesturing [ZW11].

Getting [SWG05]. Ghosts [Har87, Vog70]. gifted [Lar86, SOC86, Tao86, WZ86]. giftedness [Pre86]. Giorgio [D’A10].


Grounding [Baz01, NEM99, WD10]. Group [Dah04, DDLZ97, Fre78b, JS99, Nar00, Bal90, BJ88, Bur96, Dek87, DLDZ94, GGR02, Hah75, Hoy85, IT77, LH795, MGP75, O’C01, RNP13, Sha77, TS18, Tru15, WMP10]. grouping [Wit73a, Wit73b]. groupings [Wit75]. Groups [Cle06, GPW95]. Growing [KH80, MT15, Rot16]. Growing-making [Rot16]. Growth [ART15b, PK94, Ron15, WC08, Win11]. Guessing [Kom16]. Guest [Add87, Ano86d, Ano99b, Bel93a, Bur94, Cob94, Dre95, HJ93a, Han98, JMG00, KFS01, Lab92, Led95, Ler96, Mor14a, Rut89b, SLP06, vG92, BW12]. Guidance [GPW95, ZBB95]. Guide [AAT99, Eng06]. Guiding [DC17, Kol16]. Guinea [Sfa15, Kae93, Sou83, Kae94]. Guinean [Cla83].

Hemispheric [Fid85]. her [FC12, FM09]. here [SRB16]. Hermeneutics [Bro91]. Herskovics [Ber94]. Herschkowitz [Rad11]. hétérogénéités [Sar02]. Heterogeneities [Sar02]. Heuristic [Hug74, Bal71, CM92, Fle68]. HF [Gof93]. hiatus [FB17]. Hidden [Bau80, Hus87]. Hierarchies [Har81]. High [BBEG05, Cha93, Cla07, Dab04, Jur06, Lev71, AI12, BZA01, Bra14, FJC95, For69, Goo07, Gut92, HS13a, HMMG18, Hil71, Kart02, Kel71, Kle71, Kra03, Ma96, Par91, Pre92b, Pro70, VS13, ZER17]. high-school [FJC95]. higher [BWHM+10, Ji07, SC83]. highly [Bon14, KS69]. Hindrance [Bau80, Hus87]. Hierarchies [Har81]. High [BBEG05, Cha93, Cla07, Dab04, Jur06, Lev71, AI12, BZA01, Bra14, FJC95, For69, Goo07, Gut92, HS13a, HMMG18, Hil71, Kart02, Kel71, Kle71, Kra03, Ma96, Par91, Pre92b, Pro70, VS13, ZER17]. high-school [FJC95]. I.G.P.M.E [Fre78b]. ICME [Bal90]. ICME-6 [Bal90]. ICMI [Ano00d, Ano04c, Ano14b, Art05, GL00, Hbl05, Ano69, Ano98i, Ano06b, Ano14a, Art02, Art05, BT05, Bla02, FvM97]. IDeA [Kru13b, GT95]. ideal [Kla71]. Ideas [Ehr78, El 78, Fey78, Fre78d, Gun78, Mon01, Ohu78, Pur78, Ram03, Ros78, Wil78a, Wil78b, Bla78, Egs70, Fra13, Fre78c, HV78, Hei75, How78, Kap78, Mas69, Rev78, Sha78, Wit80, Sfa15]. idées [Mas69]. Identification [WZ86]. identifications [dF12]. identify [EJ13, MWVE09]. identities [BWHM+10, BW13, Bro11, KPS17, RL11]. Identity [Dar16, Leu01, AVM15, BWHM+10, ETC14, HP08, HM13, HMA13, LK14b, SJ12, Tak18, dF12]. ideological [Bur90, Lun12]. ideology [Lou18, Pai13]. idiosyncratic [Tho94a]. I.E.A [Baz90, Fre75, Pea76, Rob90]. If [Par15a, Par15b]. ignored [PvdHR12]. IF [Baz90, DB86b, HH78, Nee80b]. III [Had78]. illuminate [RDH10]. illuminating [Cla12]. Illusion [VDD+03]. illusions [Rad12]. Illustration [SL06]. im [Dam87, Van76]. Image [Fis77, MT15, BM08, KD14, MRCR11, Sem08, TV81]. Imagery [ASP97, LC81]. Images [Mur93, Mur95, Nar00, Prz04, Tho94b, ETC14, Jon18, Mar13, PB00, Roh08, WSR11, WT14]. Imagination [NBD+04, KC09, NF09, Pre92a]. imaginative [Pre92b]. imagineer [Tal08]. initiative [Lit08]. immigrant [GdA09, Tak18]. IMO [Ano07c, Ano77b, Ano78d]. Impact [Bus05, FKI15, Ma193, Pal08, Cla85, FV13, FB11, Lam15, SS93a, VDWV04]. implementation [Zaz99]. Implementing [MG00a, CP10, HN08, kSL13]. Implication [DS02, GT95, Dum82, DG03, HK02, Vre69]. Implications
Implicit [TPHS07, BNPG97, Güt16]. impliquées [BD72]. importance

[ES03, GC90b, KB07, O'B77, Sim15, Abr01, Har09b, Kla71, PF11, Sin03, SV13, TK14, Usi74, daA00]. Implicit [TPHS07, BNPG97, Güt16]. impliquées [BD72]. importance

[ES03, GC90b, KB07, O'B77, Sim15, Abr01, Har09b, Kla71, PF11, Sin03, SV13, TK14, Usi74, daA00]. Implicit [TPHS07, BNPG97, Güt16]. impliquées [BD72]. importance

[ES03, GC90b, KB07, O'B77, Sim15, Abr01, Har09b, Kla71, PF11, Sin03, SV13, TK14, Usi74, daA00]. Implicit [TPHS07, BNPG97, Güt16]. impliquées [BD72]. importance

[ES03, GC90b, KB07, O'B77, Sim15, Abr01, Har09b, Kla71, PF11, Sin03, SV13, TK14, Usi74, daA00]. Implicit [TPHS07, BNPG97, Güt16]. impliquées [BD72]. importance

[ES03, GC90b, KB07, O'B77, Sim15, Abr01, Har09b, Kla71, PF11, Sin03, SV13, TK14, Usi74, daA00]. Implicit [TPHS07, BNPG97, Güt16]. impliquées [BD72]. importance

[ES03, GC90b, KB07, O'B77, Sim15, Abr01, Har09b, Kla71, PF11, Sin03, SV13, TK14, Usi74, daA00]. Implicit [TPHS07, BNPG97, Güt16]. impliquées [BD72]. importance

[ES03, GC90b, KB07, O'B77, Sim15, Abr01, Har09b, Kla71, PF11, Sin03, SV13, TK14, Usi74, daA00]. Implicit [TPHS07, BNPG97, Güt16]. impliquées [BD72]. importance

[ES03, GC90b, KB07, O'B77, Sim15, Abr01, Har09b, Kla71, PF11, Sin03, SV13, TK14, Usi74, daA00]. Implicit [TPHS07, BNPG97, Güt16]. impliquées [BD72]. importance

[ES03, GC90b, KB07, O'B77, Sim15, Abr01, Har09b, Kla71, PF11, Sin03, SV13, TK14, Usi74, daA00]. Implicit [TPHS07, BNPG97, Güt16]. impliquées [BD72]. importance

[ES03, GC90b, KB07, O'B77, Sim15, Abr01, Har09b, Kla71, PF11, Sin03, SV13, TK14, Usi74, daA00]. Implicit [TPHS07, BNPG97, Güt16]. impliquées [BD72]. importance

[ES03, GC90b, KB07, O'B77, Sim15, Abr01, Har09b, Kla71, PF11, Sin03, SV13, TK14, Usi74, daA00]. Implicit [TPHS07, BNPG97, Güt16]. impliquées [BD72]. importance

[ES03, GC90b, KB07, O'B77, Sim15, Abr01, Har09b, Kla71, PF11, Sin03, SV13, TK14, Usi74, daA00]. Implicit [TPHS07, BNPG97, Güt16]. impliquées [BD72]. importance

[ES03, GC90b, KB07, O'B77, Sim15, Abr01, Har09b, Kla71, PF11, Sin03, SV13, TK14, Usi74, daA00]. Implicit [TPHS07, BNPG97, Güt16]. impliquées [BD72]. importance

[ES03, GC90b, KB07, O'B77, Sim15, Abr01, Har09b, Kla71, PF11, Sin03, SV13, TK14, Usi74, daA00]. Implicit [TPHS07, BNPG97, Güt16]. impliquées [BD72]. importance

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[ES03, GC90b, KB07, O'B77, Sim15, Abr01, Har09b, Kla71, PF11, Sin03, SV13, TK14, Usi74, daA00]. Implicit [TPHS07, BNPG97, Güt16]. impliquées [BD72]. importance
instantaneous [Sch92].

Institutional [Pop88, RG01, Har09a].

Instruction [Ano04c, Art05, Ano78b, Bat13, Beg71, BN91, BR89, CHM83, Chr69, CR09, CBSP12, Del99b, FKIA15, Ge98, GBE13, GS72, GS76, Han12b, Han12d, Hes13, HC82, Kra93, KMA02, Lev81, Mat03, NK17, Ano95e, Ano04d, How84, Tsao2, Ric10].

Instructors [MG12].

Instruments [FLM07].

Integrating [FGA94, Kry69a, Tre87, HP08].

Integration [CYW92, DEM98, Jun91, MHRSU99, Mos04, Rad11, SS05a, Ste06, Bar03, Elb03, KP10, KH07, Led87b, Lor82, RR11, Ste97, TL15, TZL19, Rad11].

Interdisciplinary [Con90, KLBMK + 13].

Interdisciplinary [The91].

Interdisciplinary [BGT17].

Interrelated [HMT13].

Interrelated [Wal10].

intersection [Pai16, Wei17].

intervention-based [FQL +17].

Interventions [DEM04, Lun77, NK17, SS17].

Interviews [Coo98, Dah04, HBZE98, HS13b, KH07].

into/influencing [Jaw03].

Eva99, FFL80, FvM97, FP85, FF17, FG17, Fis77, FBA10, For95, FT00, GP90, Gal11, GFWL11, Gra04, Gre12. learning [Güc16, Had78, Han12b, Han12d, HS13a, Har73, HC95, Hea81, Hee78, HBZE98, HS13b, HS99, Hew12, HM13, HGM15, HoF77, HP03, Hoy82, Hoz81, Ior17, Jec71, Kae88, Kae90, KK12, KT01, KB12, KC09, KR09, Kr13b, KR11, KL14, LH71, Loc92, MG00b, MDPW96, MS14, MR17, Mot71, Neu99, NCM015, Nos88, Ott11, Pm190, PSE87, RSS11, Rad14, RL00, Re96, RO09, RFP14, RIA17, RH02, SBDM69, Sca75, Sch92, Sch12, Sch11a, Ser76, Sfa01, SD13, SW94, Str84, Str85, TN16, Tak18, TA08, Tar09, Tic12, TMP10, Tro00, Tro04, TE14, Tzu07, Vo91, Whe92, WM09, Whi09, WS18, Wil71, Woo96, Cha71, Dag96, HbL05, Wal17, Wal17, Tsa02]. Lebanon [SC17].

Lebanon [SC17].

Leen [Dor03b, Pre03, PvdHP03, YSRU03]. left [Tro00]. left-handed [Tro00].

Legacy [PvdHP03, Bag08b, Gre01, Str93b]. Legitimacy [Baz01]. Length [DV98, Jer73a, Jer73b]. lens [Cor17, GBC12, Mcc14, MTBR16, Nol12, NH15, Pre16, Sty11, Vou16]. lenses [DGFT13, KHRK15]. Leone [Wil78a]. less [Jon82, SLM79]. lesson [MW09]. lessons [Chr00, EK10, Hin15, LE09, dF12]. Letter [Tun04, Wil05].

Letting [MD01, LWJ13]. étude [HK99]. Leung [Jon16].

Lettrage [VDD +03]. Lexical [HEWC10, HEW10]. Li [Hes13]. liberal [Zev96]. liées [Add76, TLM07]. liés [Art97]. Life [LW99, FB11, TB09]. lifelong [TE14]. light [Add93, GM08, Sch16, TPHS07]. like [MF17, Shr10]. Lima [CRL06]. Limit [MD01, FPS16, Gi13, Kid08, KT15, Prz04, Roh08, Roh10, TK14]. limitations [Tri95]. Limits [BBEG05, Ber06, Bur05, Har09a, Rad03, Sie87, TV81]. line [CN16, Ern85, KP10, TT07, TP15]. linéaire [Bie82]. Linear [DV98, Lan74, MSdSGG16, PM97, Uhl02, Uhl03, AWL15, Bie82, Bur02a, CO10, DVJ02, DRR02, GB14, Hew12, Kar16, Kar02, SD94, Sta89, Vla02, WSR11, ZER17, dLT08]. Linearity [VDD +03].

Linguistic [JL74, LCP00, Rov95, Jan74, Jur77, Lep90]. link [IW +15, JM18]. Linking [Hah14, OKL87, Ron15, Van03a]. links [BN91]. lion [MF17]. Liping [Law00]. lire [Rut02]. listen [AI07]. Listening [Nic98]. listing [LG16]. literacies [Wei17, Gai11]. Literacy [Men07, Gel04, Kil01, VRP +12, Wei17].

literate [Kae88, Kae90]. literature [Fre13, GB01, TP85]. Liu [Siu93]. Live [NN97]. local [Als02, GBE13]. Locutions [SLM79]. Logic [Tsa07, Var72, AKL80, CJ75, DC17, DUM82, Fre69e, Gil71, GS76, Kap76, Scd69, SS95, Siw73, Ser69]. Logical [Ano72a, OSR71, O'B72, O'B73, OK05, DG03, HK02, Mey10, PHS12, Rob75, Roh10, Vil71, Zep82, ZML87]. logiciel
[Art97]. Logics [SO73]. Logique [Ser69, Siw73, Ano72a, Dum82]. Logo [Nos86, Sut93, DG89, LDM92, OKL87, DG89, LDM92]. Logomathematics [MN95]. London [Len95]. long [NK17, Str84, Str85]. long-lasting [NK17].

Longitudinal [War06, Wat01, Bla85, CW96, Pet91, SPNH12, TF95, Van03b, Yer00]. look [FZ07, FKC17, KL82]. Looking [Sfa01, ART15b, Sli13]. lors [BC92]. lost [Sur77]. Loto [Plu79, Plu79]. Loto-questionnaires [Plu79, Plu79]. loving [Lun12]. low [And09, Bac89, DB86a, DB86b, Kar10, KB11, SPFGF14]. low-achieving [Kar10, KB11]. Lower [Miy00, Fre74b, HC95, Miy17, Var72].

lumière [Add93]. lycée [Her11, Pro70]. lycées [For69]. Lyon [Fre69a, Fre69a].


[Abr01, Adf97, Alb00, Ano76h, Ano77b, Ano19c, Ano91c, Ano95e, Ano00h, Ano04c, Ano04d, Art05, AH76, AL78, Bus08a, Bus96, CMW+13, CHM16, Cal94, Car99, Cha97, DP99, DP92, DG06, De 94, DEM98, DEM04, Die15, Doe06, Eng06, Ern84b, Ern06, ETC14, FB98, Fis99, FB16, Fre69a, Fre78b, Gra88, Gri71, How84, Jon00, Kaa07, KAJHB10, Lit00, MM03, MTBR16, MHRUS99, Mos04, Mos05, NN97, NF09, NH97, Öst06, Ott94, Ott06, Ott07, OB06, PBY03, PCT09, Ply71, PVD07, PS88, Rad03, Ric10, Ryv06, Ser69, Sfa15, SS06, Sko85, Sko90, Ste05, Ste06, SY79, Swe95, Tir99, TP10, Usi85, Vog13, War06, WD05, ZC06, Ave78, Add72, Add76, AG83, Ano69, Ano78d, AP75, ART15b, AH79, Bak14, Bal80, Bar09]. mathematical
[Bar16, BR12, Bel76, Ber04, BWHM+10, BN91, Boa02, BLP10, Bos87, BJJ13, Bra13, BP80, Bro91, Bro10a, Buc87, BTvG+17, BE85, CK15, Cal12, CV09, CCW95, CEHM16, Cha18, Cha98, Cha93, Chr69, Cla85, CWS93, Cle79, Cle80, CW14b, CSS+14, CB17a, CB17b, Cra12, Cre03, CSKI2, DC92, DT12, Daw83, DC17, Del68, Del69b, DT08, DS17, Duv83, Edw09, EN79, Ell13, Eng69, FTM81, FGG13, Fos16, Fon18, Fra13, Gai11, Gal82, Gal86, Gel04, Gli91, GK79, GFWL11, GG06, GM10, Gre12, GB17, Hah99, HI94, HH88, Ham68, Han12a, Han12b, HR74, HM95, Hay87, HH11, HMA11, HBZ98, HS13b, Her11, Her02b, HM13, Hie88, How73a, How73b, HN92, Hoy01, IMRS07, IS08, IS09, JK17, Kap78, KPS17, Kem81, Kru13a, KC73, Kry88b, KL14, LaC14, LM11, LC81, Les81, kSL13, Lit03, LS79, LMW91, LK14b, MPS12, Mar13, MT15, MB09, Mas69, MPdP17, Mey10, Min83, MJ15, MWVE09, Mur93, Nge16, Nos88, Num66, O’C01, ORt11, OB11, PGE09, Pet91, PK94, Pre86, Prz04, RT85, Rad09, RSS11, RWZ15, RG01, RSL17, Rev71, RO09, Rob05, Rom74, RT09, Sae09, SG14, SM72, Sch16, Sch11a, Sch11b, SS95, Sfa91, Sfa01, SE93, Shr10, SL74, SKPS16, Sim17, Sim15, SOC86, SW94, Ste91, Sty11, TN15, TD12, TP02, TTT+13, Tro04, TS93, Tur80, Tzu07, VS13, VP13, Voi94, WB12, WB11, Was15, WR77, Yer00, YTD11, ZG01, ZS15, ZER17, ZZ11, ZBBZ85, Zev11, dPQ16, v001].

Mathematical [KB11, Kon93, Kon18, KMA02, KLBMK+13, Kru13a, KC73, Kry88b, KL14, LaC14, LM11, LC81, Les81, kSL13, Lit03, LS79, LMW91, LK14b, MPS12, Mar13, MT15, MB09, Mas69, MPdP17, Mey10, Min83, MJ15, MWVE09, Mur93, Nge16, Nos88, Num66, O’C01, ORt11, OB11, PGE09, Pet91, PK94, Pre86, Prz04, RT85, Rad09, RSS11, RWZ15, RG01, RSL17, Rev71, RO09, Rob05, Rom74, RT09, Sae09, SG14, SM72, Sch16, Sch11a, Sch11b, SS95, Sfa91, Sfa01, SE93, Shr10, SL74, SKPS16, Sim17, Sim15, SOC86, SW94, Ste91, Sty11, TN15, TD12, TP02, TTT+13, Tro04, TS93, Tur80, Tzu07, VS13, VP13, Voi94, WB12, WB11, Was15, WR77, Yer00, YTD11, ZG01, ZS15, ZER17, ZZ11, ZBBZ85, Zev11, dPQ16, v001].

Mathematicians [Bur98, Add72, DW17, Eli86, Gri08, LW14, MRW14, PB00, Shr10, Wat80, WMR11, WJW11].

Mathematicien [Pas78].

mathematiciens [Add72].

mathematicizing [Kry68].

Mathematics [ABK+05, ACJO04, All99, AF05, Ano72a, Ano74b, Ano76e, Ano88e, Ano98i, Ano02c, Ano04d, AAT99, Ass05, Ayd90, Bag10, BT05, Baz01, Bec80, Bes07, Bis88c, Boa99, BW12, Bur98, Bus05, CF03, CBF07, Car99, CWL07, Cha06, Che88, Cla07, Coo98, CH02, Cop98, Cre06, CRL06, DS06, Dör03a, DS05, Duv06, EH05a, EH05b, Enn99, EMT06, Eva07, Fre82, Fri07, GH98, GSE07, Gat06, Goo07, GP01, Gra99, GL00, GD99, Häs68, Han89, Han98, Han06, HDM07, Har73, HZ05, HbL05, IE07, Jaw02, Jaw03, KAI1, KP10, Kei82, Led92, Ler01, LH97, LH06, Lew01, Lew05, Lib71, Llo06, LVQ04, MG00a, MDPW96, McN00, Miy00, Mor00, Mor06, MHDC04, Mos07, Moy01, Nar00, NBD+04, New98, NN07, Nic98, NC06, Nis99, Nte06, Ong06, ODV06, Osl12].

Mathematics [OPC+98, PBY03, Pea76, PBR+04, PC98, Pre06, RR05, RD92, Ror06, Roh85, RO04, SLP06, SC17, Sec01, Sel08, Sen98, SSSL+05, SK98, SA07, SG98a, Sid05, Sko04, Sko88, Sol06, Sour83, Spe05, SWG05, SK07, Str08, Sty07, STM06, SC83, TF95, Tie02, Tur93, VL04, Vin97, WW02, Wat00, Wat05, WWFC16, W101, WW07a, WW07b, Wit05, Wit95, bMYT98, ZBE06, Zas05, ZC06, Zev06, ZM91, ZS07, AAB03, Add75, Ade98, Adl88, AV08, Ala12,
Ale81, AH00, And09, ARHS14, Ano68a, Ano68c, Ano81b, Arc03, Arm69, Art15a, APRS09, AC95, Bag89, Bag73, Bag08b, Bal16, Bal90, Bal71, Bar87, Bar03, BAS07, Bas17, BGSW94, Bat13, Bau80, Baz90, Beg69, Bek10, Bel79, BCFC90, BD72, BWD10, Bes12, Big70, Bis79b, Bis80]. mathematics
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RNM12, RNP13, SJ17, SS15, Sar02. mathematics
[Say94, SBDM69, Sca75, Sch12, Sch11a, ST08, Šed76, See11, Ser68, Ser76, SA00, Sfa13, SJS15, Sha78, SD13, Si13, SS91, SS93a, Sim94, Sim17, SS03, SEC13, Siw73, Sko94, Sko16, Sol95, Sol12, Sri18, SV09, Sta11, SW92, Ste13, Ste97, SG98b, SB12, SPS17, SPFGF14, Str87, Str93a, Sun11, SLW83, SS88, SW14, Swe77, TN16, TS18, TL15, Tak18, TVS1, Tal08, TZLT95, TA08, Tar09, Tav68, Tay91, Tay96, Tch11, TR11, Tho84, TPHS07, Thw69, Tie00, Tre93, Tre83, TJHD11, Van93a, Van03b, Van69b, Van76, VD78, VD79, Var76, VA18, VM78, Vin76, VCS95, Voi94, Vol76, WHE08, WHE09, Wag12, Wai70, Wak14, WBM+14, Wal12, Wal17, Wed99, WW11, WFCW15, WHCO9, Wha96, Whe92, WM09, WL90, WvdHPD15. mathematics
[WJW11, WS18, Wil71, Wil78a, Wil12, Wil16b, Wil78b, Wit69, Wit81, Wit84, Wit01, Woo96, Woo12, WKB97, XH88, YHL+15, Yan11, ZZ11, Zep81, Zev11, ZZ08, dA00, dF04, dF12, dFS12, dF16, dRA16, vO13, vS11, Fer15, HSNHHE15, MF17, Nim77, Sta11, TB09, Kae94, Fit11, Fit15b. Mathematics-for-Teaching [DS06, Osl12]. mathematics-teaching [Rou68]. Mathematiklehrberufs [Dam87]. Mathematicsunterricht [Van76]. Mathématique [Nim77, Add72, BD72, Bos87, Cal94, De 94, Del68, DP77, Fis69, Fre69a, Fre82, Her11, Kry69b, Kry88b, LS79, Rou68, Rou69, Ser68, Ser69, Ser76, Siw73, VD78, Ano00h]. Mathématiques [Cop98, TB09, Add75, Add76, Ano72a, AP75, Bai80, Cas69c, Cas77, Deb06, Del69a, Duv83, For69, Gro77, Hah99, KC73, Mar69, Mas69, PRR08, Psl68, Phil79, Rev68, Rob95, Rom74, Sar02, Tro04, Van69, VD79]. mathématiques/réalité [Hah99]. mathématisation [Kry68]. mathematization [Ste98, Ste69a, Tre83]. Mathematizing [Pre03, Wit76, HMG16, Win11]. mathematica [RR80]. Maths [MRRF94, SE93, Al85, Als02, AVM15, BG69, Chr00, JN15]. matrices [Fle68, Roo71]. Matter [Bes07, WW02, BN96, BS94, Eve90, ET95, Fer15, Rad09, Fit11]. matters [Dom11]. mature [Kae93, Kae94, SBP11]. maturity [Hee78]. Maximizing [McN00]. may [BHX97, PB09]. McNamara [dF12]. me [Fri11]. Mean [BG06, PLW81]. Meaning [Bre98, Chr97, DZ00, Rad06, RP07, Abr09, Cla02, FA76, Han12d, KP10, MB09, MWVE09, Pre92a, RFK07, RSS11, See11, Sko16, VMN11, Vo94, Wea90, ZG01, Sam85]. meaning-making [RSS11]. Meanings [Kaz07, NHH97, APN01, ART15b, AP01, Fra96, NPH99, PSH+18, Rad00, Rad09, RG01, Tou71]. means [Abo09, BH95, Hah75, HS13b, Kid08, Šed69, Ste71, Van77]. measurable [Ste76]. Measure [CB00, CMW+13, CHM16, FTM81, Moo13, WB+14]. measured [Min83]. measurement [BN96, CBSS96, PM15, PPC09]. measures [HC82]. Measuring [ALO+91, KPS17, Fau15, Moo13, Tal80]. mechanics [Fre93]. mechanism [Noe80b]. Medal [Ano16b, Ano16c]. Medals [Ano04c, Ano06b]. media [Cal12, SK69, dF16]. Median [BG06]. mediated [GGR02]. Mediating [VA18]. Mediation [Adl97, Mar00, ZS07, CEHM16, Cha98, FLM07, MG12, SZP10]. mediators
medication [CW14b]. Medium [Eva07, RO09]. meet [Nar16]. Meeting [CW14b, GC90a, Tre91]. meets [Con90, Sfa01, Wil12]. Mellin [HN95]. mémoire [Kry88a]. memoriam [Ano90d, Ber94]. Memory [BE85, Flii05, Kry88a]. Mendick [Bro11]. Mental [ASP97, Bar88, FB02, MNRR95, Mur04, Pro13, Thr02, Chi98, Csí16, Hop85, MP96, Str78].


Mesopotamian [Hey07]. met-before [ZR18]. Meta [DG06, ID95, KB12]. Metacognition [GGR02]. Metacognitive [Kap01, KMA02, SG98b, Yan12, GG96]. metalevel [Guc16].

...non-mathematicians [Add72]. non-mathématiciens [Add72]. non-measurable [Ste76].
non-routine [PGE09]. non-standard [KZ94]. non-strictly [Rob95].
Pedagogical [Kun12, Bra13, CLSM17, Ern84b, FC12, HR74, HK84, Hem10, LW14, LCD90, MM11, MPZ16, NBZ12, PGM13].


Plotting \([dF04]\), plus \([Ano78b, HS13b, SLM79]\). PME \([NBD^+04]\). Pohl \([Srl18]\). Point \([Ott06, ART15b, Hoy85, Ott11]\). pointers \([CR09, Row95]\). points \([Ron15, TO13]\), Poland \([Ehr78, Tur93]\), policies \([Lar86]\). policy \([Ler14, Swe77, TE14]\). Political \([PV12, Ern16b, Kol16, Pai16, dF04]\). political-technical \([Ern16b]\). Politicizing \([Gut07]\). Politics \([PF11]\). Polynomial \([Riv07]\). polysemous \([Kon18]\). popularization \([Jin07]\). population \([AP75]\). por \([Cas98]\). portrait \([Cre03]\). Portraits \([Han12a]\). pose \([Cre03]\). Poses \([Kra93]\). pp \([Sri18]\). Practicable \([NK17]\). Practical \([Sfa05, Eve99, IRA16]\). Practically \([Lev10]\). Practice \([AAT99, BBEG05, BC05, GS08, HPG05, Jaw03, Kap77, Llo06, MHRSU99, Woo12, AI07, Bak16, Bes12, BR17, BB03, Car08, Eng03, Ern86, ES03, GJF13, GdA09, Gra04, GBC12, Har99b, HMMG18, JGR14, Kra02, Lan13, LLW07, MDPW06, NPP99, PA14, PNH98, Rad03, RDH09, SW92, Sut93, Tch11, Tho84, TB09, TW09, VA18, Wak14, dPQ16, Web18a, Web18b\]. Powerful \([Kra93]\). powerful \([Kae88]\). post-constructivist \([Rot17]\). post-secondary \([Kae88]\). post-structuralist \([Rot12]\). post-constructivist \([Kle02]\). Potential \([Bus05, McN00, Bar87, FFL80, KT15, PvdHPR12, SDM13, Wal17]\). potpourri \([Sch71]\). Pour \([Add72, Art97, HK99, Kra02, Kry88b, Plu79, Rev76, Ser68, Tro04]\). pourcentage \([Hah99]\). Pourvant \([TLM07]\). poverty \([Bat13]\). Powell \([Fit11]\). Power \([Tak18, AV08, Han12b, Law16, PM16, Sko12, VDVW04, YHL^+15]\). Practical \([Sfa05, Eve99, IRA16]\). Practically \([Lev10]\). Practice \([AAT99, BBEG05, BC05, GS08, HPG05, Jaw03, Kap77, Llo06, MHRSU99, Woo12, AI07, Bak16, Bes12, BR17, BB03, Car08, Eng03, Ern86, ES03, GJF13, GdA09, Gra04, GBC12, Har99b, HMMG18, JGR14, Kra02, Lan13, LLW07, MDPW06, NPP99, PA14, PNH98, Rad03, RDH09, SW92, Sut93, Tch11, Tho84, TB09, TW09, VA18, Wak14, dPQ16, Web18a, Web18b\]. Practices \([Bur98, Cha06, EMT06, Mes04, Mor04, Wat00, Bas17, Bon14, Bra13, Cre03, FGG13, FA03, Har09a, HH11, IWF^+15, KMT14, MCC14, MJ15, Mor14b, No16, PR08, SA00, Sou83, Sty11, TP10, WBM^+14]\). Practitioner \([HR02]\). pratique \([Kra02, TB09]\). pratiques \([RR08]\). Praxeologies \([BGT17, GBE13]\). praxis \([SB12]\). Pre \([BHN10, DC92, DH90, KZ94, LC16, LK14b, PSH^+18, Bek10, Bis79b, DP92, Ell13, KPH10, MB16, MvdK13, MLK16a, MLK16b, Phe10, SG14, Sin03]\). pre-constructed \([Sin03]\). Pre-kindergarten \([MB16]\). pre-school \([DP92]\). Pre-schoolers \([DH90]\). Pre-service \([BHN10, DC92, KZ94, LC16, Lee17, LC14b, PSH^+18, Bek10, Ell13, KPH10, MvdK13, MLK16a, MLK16b, Phe10, SG14, Sin03]\). pre-technical \([Bis79b]\). preapprentice \([LaC14]\). Precalculus \([QM94]\). precollege \([MWSS17]\). preconceptions \([Yan11]\). Predict \([TS99]\). Predicting \([JR72, WM01]\). Prediction \([BC05]\). predictions \([KK12]\). Predictive \([VDVW04]\). Prediger \([Bak16]\). Predominance \([DVJ98]\). Preface \([BE03, Fre76b]\). Preference \([Gra91]\). préférences \([Lev10]\).
Preformal [BK91, PM16]. Preliminary [Ano81c, Ano84d, Mai85]. premier [Bui76, Fre69a, Gla76b]. première [BZ01]. premières [Bic82, Com80].


preparation [Kry69a, Ayd90]. préparatoire [BC78, BC82]. Prepare [Isa87].

preparedness [VH16]. Preparing [WKB97, Kry69a]. preschool [LLHL13]. preschooler [Tar09].

presence [FT00, GD17]. present [Ano74b, Fle71, RFK07, SS10, SS17]. present-day [Ano74b]. presentation [AWL15, Add76]. presentations [ET95]. presented [SD94].

presenting [Add76, KB11, LW14]. Prepare [Gra99, HDM07, Lloo6, MHH90, NC06, Son16, TG89, CPK08, CPPP09, Cre03, Gli91, Kle12, Son13, Tha10]. Presmeg [JV17]. Press [Sfa15]. Pressure [Tou90]. pretty [ZG01].

primes [ZK15]. principle [BS80, Fre77b, NBE12, Sem84]. Principled [WD05]. Principles [Bel93b].

prior [Will6a]. Private [Hus87, Cas04, FA03, YM16, Cop98]. Privées [Cop98]. Probabilidad [Cas98]. probabilistes [LD88]. probabilistic [CM92, Eng75, Eng76, GFM91, Gre01, VDD+03, LD88]. probabilité [GT95]. probabilités [FPM69, FB71, Gla76a].

probabilities [CZ11, FB71, Gla76a]. Probability [Cas98, FPM69, Kaz07, BN77, CU16, EK10, FFL80, FYAE12, FG84, Fre74a, GT95, HK84, JLT97, KR73, Sha77, Var72].

Probing [CW93]. Problem [BG05, BR78, Cal94, CB05, Cha97, CWT12, DG06, Eng97, Jer73a, Jer73b, JS01, Jur06, Kap01, LT86, MDD04, Mos05, NHHN03, Pug04, SE93, Sti13, SEC13, SLJ69, XM17, Yer00, bMYT98, dPH13, AKL80, Aud83, BFG84, Baju04, BN91, Bon13, Buc87, Bur80b, CK15, CMW+13, CHM16, CV09, CCW95, Chi98, CV16, CWYP92, CW14b, CF00a, CSK12, Dav71, DP92, Ell13, Ern16a, Eav99, FV13, FZ07, FK17, FC08, FM09, GG96, GGR02, HH81, Hin15, Hus87, Isa87, JSV75, JM74, Jun82, JI15, Kar16, Kie01, KK13, Lec92, Lec17, Les81, KSL13, Lib77, NT75, Noc80b, Noc96, O'B75, OK13, Ott94, Pal08, PT09, RR17, SB09, Sch13, SLC95, SV13, SJ04, Sty11, Tar09, TH13, VS13, VP13, Ves76, Vou12, WR77, Whi09, Wit71, ZP91, ZMK91, vdHPKR13].

problem-centered [CWYP92]. problem-oriented [WR77].

Problem-Posing [Eng97, SI13, SEC13, Bon13, SV13, VP13].

Problem-Solving [CB05, LT86, SLJ69, Buc87, ČK15, CW14b, FZ07, Noe80b, PT09, Sch13, SV13, Tar09, Whi09]. problem-structure [Noc80b].

problematic [Gal11]. Problematik [JSV75]. Problématique [Ser76].

problématisée [Her11]. Problematising [Ler16]. problematized [Her11].

Problematizing [Wei17]. problème [Aud83, ZP91]. Problèmes [Ano72a, Cal94, De 94, Del69a, KC73, Lev92, Mar69, SB97, Sen96, TSV82].

Problems [Cha06, CH02, De 94, DVF98, Duv06, GR05, Gor98, GD99].
Pim90, TP02, Wat00, Wi171, YG99, Abe78, Ade90, AG83, AG14, BST81, BFG84, BSV95, Bor86, CHM83, CV16, Cre03, Del69a, Dom11, DS17, Ell86, FQL+17, Fey89, Fle71, Fre81, Fro99, GBMB70, Glh91, HC95, JR72, Jer73a, Jer73b, JHC14, Ka83, KPS83, Krt71, KC73, Lan86a, LCD90, LG13, Lep90, Lev92, Lin90, Loc11, MF10, Mar69, Mar86, MJ15, Nes76, NK77, NH94, PGE09, PvdHPR12, Pol68, RO09, SLP+12, SKR15, SLS74, Sen96, SD94, SW95, SOC86, Sta69, Sun11, TSV82, Van94, VM13, Wha96, Wol83, lR16, Ano72a, Par88, Ser76, Sel00. **Procedural** [Vou12, dLT08, LDM92, PM00, Sae09]. **procédurale** [LDM92]. **procedure** [PvdHPR12]. **procedures** [Str08]. **procept** [Kid08]. **Process** [Bal87, DEM98, Kap01, PDV07, Riv07, Sha08, Bel79, Bju04, Boa93, BSV95, BDHN92, Dam87, DPG89, FBA10, GP90, Gal81, HGM15, HSZ17, Jak71, KT15, Kle02, Kry68, Lun77, Rob12, SMSW13b, Str84, Str85, Wit01, ZS15, Aud83, SMSW13a, MR17]. **Processes** [Alb00, BG05, Dah64, GBR05, OB06, OPC+98, Pug04, THS06, Vin97, Bec77, Ier17, KWF15, KAJH10, MH97, Mey10, OB11, PR11, RW11b, SJ17, Sch16, Sch13, Sha91, Tro00, Whi90, RW11a]. **processing** [CCW95, SOC86, SLW83, Wal12]. **Processus** [Aud83, Bal87, Kry68, DPG89, Tro00]. **produced** [MG00b]. **producing** [NK17]. **Production** [BZ01, IIMR+11, RFP14, BZ01]. **Productions** [WA04, DS02, Deb06, PM16, WB12]. **productive** [Kle02, LG16, Ryv04]. **Produire** [Rut02]. **profess** [LW14]. **Professed** [Spe05]. **professeurs** [VD79]. **profession** [Dam87]. **Professional** [Ano04d, KBK+17b, TS18, BR17, Bro14a, DK15, FB16, Gel08, Hah14, HMMG18, HHGD16, Hoy07, KL82, KR09, dPQ16, KBK+17a]. **professionalisation** [Dam87]. **Professor** [Ano16b]. **proficiencies** [Zep81]. **proficiency** [Isa78, RO09]. **profile** [DT08, Way94]. **profiles** [Phe10]. **Profound** [DR13]. **Program** [Lev71, PC98, CPP09, Eve99, GSt72, Loc92, SS93a, Vl10]. **programmation** [DG89]. **programme** [GR71, HHDG16, HN08, JN15, PT09]. **programmes** [Une73]. **programming** [DG89, Kyn93, Nos86, SD94]. **programs** [Baz88, BF96, Une73]. **Progress** [Han98, WD05, LLe16, RWZ15]. **progressing** [Dra14]. **progression** [BBG+17]. **progressive** [MW00, Tre87]. **Project** [VC95, CWYP92, HS14, Lan81, IB05, Rog85, SA07]. **projectiles** [CGGG79b]. **Projection** [CDGG76]. **projective** [CDGG76]. **projects** [HI94, HB69]. **prologue** [TN16]. **promise** [Mc14]. **promising** [vSBvR00]. **Promote** [MHDC04, Fra13, SD13]. **promoted** [HMT13]. **Promoting** [HHDG16, HHS00, SKPS16]. **prompting** [SKR15]. **prompts** [DS17]. **Proof** [Ber06, Bur05, HJ93b, Han00, HP03, KDI4, Mar00, MMBD05, Miy00, Sin93, Sol06, St07, SS09, Uhl02, Uhl03, WA04, AS11, Bel76, Bro14b, Bur02a, Cha93, DW17, Dho03, DRR02, FG17, FC12, GD17, Hem10, Her02a, IIMR+11, Kom17, LG13, MP14, MRFW+12, Miy17, MFJ17, Moo94, NKS17, Ott94, Ped07, PvdHPR12, Ram03, RG01, Rob12, SP+16, Sim15, SS17,
Van77, WFCW15, WHC09, YL08, Yan12, Bal87, Han98. proof-based [WFCW15]. Proof-Generated [Bur05]. Proofs [LZ08, MG00b, Kom16, LW14, Ler85, MRW14, RAI17, Web01, WMR11, ZWMR16]. propedeutic [CLR16], propédeutique [CLR16]. Proper [NH15], properties [BC82, CLR16, Us74, VVV15]. Property [MT15, Ber08, DL14].


refutations [Kom16, LZ08]. Regarding [GW03, DWMB05b, CEMP04, Kor03, VO17]. regime [KMT14]. register [TD12, registers [SPFGF14]. Regulate [DEMW06]. Regulated [PBY03, KR09]. Regulation [Ma106, BH11]. Reification [Sla97, GE98, SL94]. Reinventing [PM16]. reinvention [DC17, Fyh08]. Rejoinder [Fre76a]. relate [KR11, Nol11]. Related [Bag06, EJTT06, And89, Art97, BA14, Bek10, Dar82, Eli85, FP85, FLT14, Kun12, Led85, SG14, Sie87, Tie00, TTL+13, TLM07]. relating [Dav71, FI17, Mau85, Sch11a]. relation [Arm69, BLP10, Cor17, Dor03a, FC08, Gol03, Hah99, Kie01, PC10, RL12, Roy81, SPNH12, TT07, Tou71, ZBBZ85]. Relational [DLK14, Bat13]. Relations [AF05, KR73, Lab78, Bas69, BP15, DG89, NBE+12, TY04]. Relationship [MP14, Tch11, Bes12, BWHM+10, CRPRG16, For95, FA03, Hah99, Kru13a, LL99, MY84, Ped07, RO09, ST02, SBDM69, Tho84]. Relationships [MK91, MM00, Zep81, dA00, AWL15, BBG+17, Bro11, DG89, MZ12, SR92, VP13, Wil16a]. Relative [MH97, Wai70, JR72, Mau85]. Relevance [Fre82, Eng69, Tal80]. relevant [LT86, Mat03, Men71, Mog17]. reliability [Kn07, WBM+14, Fre82]. reliable [HH78]. reliant [Wit69]. religions [CW14a]. religious [CW14a]. remarks [KC73, TS93]. remarques [KC73]. ReMath [AM14, HS14]. remember [Kar02]. Renaissance [Rad03]. rencontrées [SB97]. rendering [JSV75]. renewal [Bro10b]. Repeating [TTL+17]. repetition [Haa12e]. Reply [Lan86b]. réponset [DP77]. Report [VV13, Ano69, Bal90, Fre79b]. reporting [MO94]. represent [NT01, PK94]. Representation [FZ07, Mos05, Par91, BHH09, FKIA15, Jon18, Par88, Pim90, Sty11, YS12]. Representational [DG06, BC96, HP08, MAHK08, Von16]. Representations [Bag06, Cal94, SR92, Arc03, BZA01, CO10, Cas69a, DC92, DT12, DL14, DK15, FV13, GdA09, Ior17, KZ94, MP96, MK97, MK14, Rad14, Ron15, SP16, TMP10, TP15, Wei91, Wil16a, Cal94, Cas69a]. representativeness [CM92]. represented [AWL15]. Representing [WM01]. reproducibility [ABM92]. Republic [Bec80, Swe77, SY79]. requiring [DS17]. Research [BB03, Bus05, FZ05, Fre82, GPW05, Jaw03, Kon93, Kru13b, LPG05, LMH70, MJ15, Mor00, Mor06, Nis99, See01, Sfa05, SS17, Tsa02, Aud83, Bak16, Beg69, Boa02, BGT17, BAZF04, Bro08a, BDS+17, Dar82, Dar16, Eng03, ES03, FA76, Fre74b, Fre79b, Gol03, Had78, HM95, HS14, HJ12, Hof01, HNO08, JN15, JF17, KFS01, Kil01, Kie71, LXT02, Lit08, Lm07, MR17, Nar16, NH94, OB77, PV12, PH96, Pop88, Pre16, RL00, Ron15, RSTK08, Sca71, Sfa13, Sil13, Sim17, SMW11, SEC13, SB12, Tur93, Wal17, WMM13, WOo96, Gro77, Siri8, Sfa13]. Research-based [SS17, JN15, Ron15]. Researcher [Bar09, FB11, YHL+15]. Researchers [Wal17, BGSW94]. Researching [ABK+05, PV12, RL11]. reservoirs [Bec77]. residue [TP02]. resistance [Bra14, Tou90]. resisting

S [Jon16, Tsaa02, Dre06]. sa [Kra02]. Sacha [Gre17]. safety [CW14b]. safety-critical [CW14b]. Same [Tsaa01, Tsaa07, BJ88, Sfa91, VDWV04]. Sample [CRL06, CZ11, LK16, RRP91, ST02]. samples [AGP15, BZBM15, GLZB15, MMP15]. sampling [GLZB15, MMP15, NH15, PAW15]. sand [Ger88b]. Sara [SWG05]. savages [Car08]. Saxe [Sfa15]. say [LJW13]. scale [FKC17, ZSL02]. scaling [NK17, RTSK08]. Schantz [Web18a, Web18b]. scheduled [Ano74b]. schema [Wol83]. Schemas [Cha98, CK15]. Schemata [FG97, Fis99]. Schematic [FV13, SJ04]. schematisation [Tre87]. schematization [GP17]. scheme [Sim15, Sty11]. Schemes [Riv07, HN96, HP03, Hun86, Kid08, NH94, RL13, SL95, Ste83]. Scholastic [BHX97]. School [AR07, Ass05, Baz01, Dalt04, DVJ98, Don99, Eng06, EMT06, FPM69, GS08, HZ05, Jur06, Lev71, Lit01, Mes04, Miy00, Pre88, Prz05, SK07, SPF14, Sty07, STM06, Tief02, War06, Wat01, AI12, Arm69, AG02, Bai71, Bar03, BNPG97, Baz90, BJ82, BJ88, BZA01, BD72, Bes12, Bla85, Boa93, Bra14, Bur80a, Bus96, BBFG99, Cas69b, CDGG76, Cha18, Cha93, Cla12, Dri40, DS02, DVJ02, Dow96, Ell13, Eng71, FJC95, FKIA15, Fr74b, GC90b, Glal76a, Goo07, Gui17, Gut92, Hah14, Han12a, HSS13a, Hay87, Her02a, Her11, HMMG18, Hil71, HHD16, Hol81, HC14, Hoz81, JK17, JGR14, JS01, Kap76, Kar70, Kar02, KK12, Kel71, KL82, Kle71, Kom16, Kom17, Kic81, LS07, LM11, LLW07, Leu87, Luni2, Ma96, MvdKM13, Mal93]. school [MK91, Mar69, MG00b, MDPW96, MY84, Nim75, Par91, Pop88, Pre92b, Pro70, RL13, Roy81, RDH09, Saj03, ST08, Ste13, Ste68, Ste11, SW14, Thw69, Tie00, Tou86, Tre91, TP15, VS13, Var76, Whi87, Wil16, WS18, XH88, Yan11, ZER17, vdHPKR13, Lib71]. school-type [Mal93]. schoolbooks [Bar07]. schooled [TDGV09]. schoolers [DH90]. Schooling [Nol16, Che88, Cla85, Led92]. Schools [BBEG05, HBH07, Baz88, Cd04, Dav71, Fid85, For69, Gen70, Han68, Kar10, LR81, Lyn68, Mal93, Miy17, NCMO15, Str08, Tay91]. Schoolteacher [PM15]. Schubring [Law16]. Schwarz [Rad11, Web18a, Web18b]. Science [Kry69a, RD92, Ano81b, BP80, LMC08, Wit95, Han98]. sciences [Bag10, Feb69, Kry69a, Mavr93]. scientific [HGM15, JSV75, MPS12]. score [WBM14]. Scores [Lie90]. scream [LM11]. sea [Fre71]. séances [PRR08]. Search [Liu02, Str84, Str85, Vol86, Zev06, ARHS14, Kon72, Lle12, Sim96]. searching [Fit15b]. Second [All85, CWYP92, Daw83, Has97, Jon82, PRR08, Rev72, Rob90]. second-grade [CWYP92]. secondaire
[Aud83, BD72, Cas69c, Cas69b, CGGGG74, VD78, VD79]. **secondary**

[FBM71]. **Secondary**

[Bes07, CGGGG74, Cor17, DVJ98, Miy00, PBR04, Prz05, Wat05, Ano69, Aud83, BNPG97, BD72, BN77, Boo81, Cas69c, Cas69b, Che89, Cla85, CB17a, CB17b, DVJV02, FBM71, FT03, Fra96, Gal82, Gen70, Gue08, Gui17, Han12a, Her11, HC14, Kae88, Kar10, KLS8, Kom17, Kuc81, LR81, Leu87, Mal93, MK91, MG00b, Miy17, MLK16a, MLK16b, OrL71, PB09, Rev72, Rue13, RDH9, Sa03, ST08, Ste68, SG98b, Tou90, VV15, VD78, VD79, Vili, VR90, WH15a, WH15b, Wil16a, XH88, vSBvR00].

**secondary-education** [Aud83]. **secondary-school** [RDH09].

**Secondary-to-tertiary** [Cor17]. **Sectional** [EJDT06]. **sections** [Ano84c].

**seduction** [BH11, Wag12]. see [GL10, HH11, LaC14, PAW15]. **Seeing** [Han12b, MP84, Par88]. **Seeking** [Ely10, MS14]. seems [ZG01]. **Seizes** [KHRK15].

**selected** [Jur77, TF95]. selecting [LH18, MJ15]. **Selection** [Kis86]. **Self**

[Fri07, HC95, Mal06, PBY03, BS15, BAZF04, HGM15, KMT14, KR09, Plu79, Rel96, SLP12, Sol12, TJ94, TTL13, Wit09]. **assess**

[BAZF04, TJ94]. **self-checking** [Pha79]. **self-concept** [Rel96]. **self-efficacy** [SLP12, TTL13]. **Self-Knowledge** [Fri07]. **self-reflection** [HGM15].

**Self-Regulated** [PBY03, KR09]. **Self-Regulation** [Mat06]. **self-reliant** [Wit09]. **sellers** [Hah99]. **selling** [TB09]. **Semantic**

[BEW99, Nar00, SW95, WA04, Min83, NK77, NGR82, WB11]. **semio** [Ior17]. **semio-cognitive** [Ior17]. **Semiotic** [AS11, BH05, Ern06, GBR05, Hof06, Ong06, Ott06, SLP06, Sch13, Win03, APRS09, FLM07, Fri11, MWVE09, MK14, Rad00, San11, Sec11, SZP10, GFWL11].

**Semiotics** [Mor06, Pre06, Ott11, PR08, Sch11a, TR11]. **Senegal** [VD79, VD79]. **Sense** [MM00, PK17, Sel00, WG07, Bar96, CPPT13, FC12, JTP94, LL99, Moo13, Pal08, RFP14, Sch16, SM17, Sim96, Sl98, WD10, Wak14]. **Sensitivity** [Jaw02]. **Sensuous** [RP07, Rad09]. **SEO** [MA09]. separate [Joh15].

**separation** [Van74]. **September** [Ano74b, Van93b]. **Sequence** [MD01, Prz05, BC92, Roh08, BC92]. **Sequences**

[AS05, Ber06, Bur05, AS04, AS17, Sch11b, TL15, Vou16, Wei91]. **sequential** [AWL15]. **Series** [AS05, AS04, Car10, DL14, Mar13, MPGDA12]. **serves** [ME13]. **service** [Bek10, BHN10, DC92, Ell13, Gra04, Gut92, KPH10, KZ94, LK16, Lee17, LK14b, MvdKM13, MLK16a, MLK16b, PSH18, Ph10, SG14].

**ses** [TLM07]. **Sesotho** [Zep82]. **sessions** [GB14, PRR08]. **s’est** [Add93]. **Set** [Bag06, Kap76, Mon72, Ber08, C211, FB98, Hod96, TLM07]. **Set-theory**

[Kap76, Mon72]. **Sets** [Ham06, Tsa99, WM98, DeB97, Fre69e, Ott03, Tsa01].

**setting** [Nii07, WK04]. **settings** [Cra12, Fra13, WR96]. **seven** [Mat83].

**Seventh** [Alb00, PBY03, Ano91c]. **Seventh-Grade** [Alb00, PBY03].

**Seventy** [How84]. **Sex**

[And89, Cle79, Kae88, Led85, CWT12, Eli85, FP85, Mal93]. **Sex-related**

[And89, Led85, Eli85, FP85]. **Sfard** [HJ12, Wal17, Win11]. **shape**

[KZ16, Vol77]. **shapes** [Tri95, VO17, WE95]. **Shaping**
[DVJ98, Tsa07, AI12, CHM83, CV16, Hin15, SKR15, SLC95]. solve
[AG83, AG14, ČK15, VM13]. solver [FM09]. Solving
[BSV95, BG05, Cal94, CB05, Cha97, DG06, GBR05, Gor98, HKG89, Jur06, 
Kap01, MDD04, Mos05, NHN03, Pug04, Riv07, XM17, bMYT98, Abe78, 
Bju04, BN91, BR78, Buc87, Bur80b, ČK15, CV09, CCW95, CWT12, Chi98, 
CW14b, CF00a, CSK12, DP92, Egs70, FA03, GB14, Gri78, HR74, HS99, 
Jee71, Leu05, Min83, O'B70, Sin03, Str78, Str84, Str85, STM06, TS93, Usi74, 
Vol69, EL 86, Lor82, MK91, Mon00, Pol68, Vla02, Wha96, Whi09, Wit71, Yer00, 
vdHPKR13, TSV82, ZP91].
Somatic [BR06]. Some
[AG83, Bag06, Bel93c, Ber06, Bur02a, Bur05, 
DRR02, DWMB05b, DWMB05a, Egs70, FA03, GB14, Gri78, HR74, HS99, 
Jee71, Leu05, Min83, O'B70, Sin03, Str78, Str84, Str85, STM06, TS93, Usi74, 
Vol69, EL 86, Lor82, MK91, Mon00, Pol68, Vla02, Wha96, Whi09, Wit71, Yer00, 
vHPKR13, TSV82, ZP91].
Somatic [BR06]. Some
[AG83, Bag06, Bel93c, Ber06, Bur02a, Bur05, 
DRR02, DWMB05b, DWMB05a, Egs70, FA03, GB14, Gri78, HR74, HS99, 
Jee71, Leu05, Min83, O'B70, Sin03, Str78, Str84, Str85, STM06, TS93, Usi74, 
Vol69, EL 86, Lor82, MK91, Mon00, Pol68, Vla02, Wha96, Whi09, Wit71, Yer00, 
vHPKR13, TSV82, ZP91].
Somatic [BR06]. Some
[AG83, Bag06, Bel93c, Ber06, Bur02a, Bur05, 
DRR02, DWMB05b, DWMB05a, Egs70, FA03, GB14, Gri78, HR74, HS99, 
Jee71, Leu05, Min83, O'B70, Sin03, Str78, Str84, Str85, STM06, TS93, Usi74, 
Vol69, EL 86, Lor82, MK91, Mon00, Pol68, Vla02, Wha96, Whi09, Wit71, Yer00, 
vHPKR13, TSV82, ZP91].
Somatic [BR06]. Some
[AG83, Bag06, Bel93c, Ber06, Bur02a, Bur05, 
DRR02, DWMB05b, DWMB05a, Egs70, FA03, GB14, Gri78, HR74, HS99, 
Jee71, Leu05, Min83, O'B70, Sin03, Str78, Str84, Str85, STM06, TS93, Usi74, 
Vol69, EL 86, Lor82, MK91, Mon00, Pol68, Vla02, Wha96, Whi09, Wit71, Yer00, 
vHPKR13, TSV82, ZP91].
Somatic [BR06]. Some
[AG83, Bag06, Bel93c, Ber06, Bur02a, Bur05, 
DRR02, DWMB05b, DWMB05a, Egs70, FA03, GB14, Gri78, HR74, HS99, 
Jee71, Leu05, Min83, O'B70, Sin03, Str78, Str84, Str85, STM06, TS93, Usi74, 
Vol69, EL 86, Lor82, MK91, Mon00, Pol68, Vla02, Wha96, Whi09, Wit71, Yer00, 
vHPKR13, TSV82, ZP91].
stochastic [Hei75]. Stoffe [Beh68]. Stories [Llo06, KK13, Osl12]. story [Die15, HS02, KB11, LXT02, Lin90, MZ12, RL00]. storying [Nar16].

strategic [KP10]. Strategies [RL17, Web01]. Strategic [ABvP02, CB00, Csi16, Fie79, Gor98, JS99, Sol01, Rev76, CN00, CWT12, CR09, Deb06, DS17, Eng91, Fro99, Gal86, GG96, HKG89, HP03, JHC14, KPH10, Kor03, KSL11, kSL13, Noe80b, Nol16, PPP95, Pro13, SS15, Sch16, SD94, The90, TDGV99, Van3a, Vo186, Yer00, Yin10, vdHPKR13, Deb06, Rev76]. Strategy [Mur04, Ano76a, RRP91, Son16, Vin75, Yan12].

Street [Pre03, PVdHP03, YSRU03]. Street [JS99]. strewn [HH81]. strictement [Rob95]. string [Fre79a]. strip [Roh10]. Structural [Jan74, JGR14, Jur77, SLS74, Jer73a, Jer73b, Lep90, RC94]. structuralist [Rot12]. Structure [Duv91, LL99, Sha98, SS06, CGALB15, GB13, LS70, LH71, Mar13, Mev83, MFJ17, Mor14b, Noe80b, Roh10, Rue13, SM17, Duv91].

Structured [ABvP02, HKG89, Hin15, Jec71]. Structures [Ham06, Usi85, WG07, Yan12, YG99, Die670, Une74, HMA11, KMT14, MC989, Nol16, SW95, Tho93]. Structuring [TD02, DT12].

struggle [Duv91, TT01]. struggles [Kon18]. Stuck [MZ12]. Student [Alb00, BH05, BN96, Bju04, BG05, Cal94, CN16, CPP07, CR09, CB00, Cop98, DV98, Doe06, GP17, HL16, Har09a, Hod96, HK02, IWF+15, IB05, Jho15, Jon00, Kae07, LL13, Lit03, Loc11, MS97, MMMD05, MPB06, MPG12, MC01, MCn00, MFJ17, Mos98, Mos05, Ort83a, Ort83b, PLW81, Pug04, Riv07, Roh08, Ryv06, SG08, SM17, SG89a, So106, VL04, Wal09, Wat07, Web01, WT14, Wil16a, Zaa98, ZC06, AI08, AI12, AVM15, AWL15, BA14, Bar03, Beg71, BCLH89, BLHL85, BZA01, BWH+10, BC96, BP15, Bra14, AZF04, CO10, CMW+13, CHMI6, CV09, Car10, Cas04, Cha93, CH13, Cla85, CSS+14, Csi16, D17, DVJ02, Deb06, DT08, Dra14, Ecc85, EJ13, FQL+17, FK17, FE09, FA03, GLZB15, Ger10, GMHG09, Guc16, HOS13].

student [HBZ98, HS13b, HM13, HHDG16, HMA13, HMT13, JHC14, JM18, JE14, KPH10, KP10, Kks12, KB11, Kor03, KSL11, KR11, Led87b, BK16, Lev10, Lev13, LC15, Mal93, MWSS17, MF17, Mar13, MSdSSG16, MPdP17, MMP15, Mev83, MK97, MW09, NH15, Ola14, PP12, Par91, PVdHP11, PT09, PAW15, PMG+94, PR08, QM94, Rad00, RW11a, RW11b, RSL17, RRP91, Roh10, RDH10, RC94, Snj03, SJ17, SLP+12, SKR15, Son13, Son16, SSP04, Sty11, SLW83, TA08, Tch11, TT07, TS99, Tru15, TO13, Tzu07, VS13, VP13, VR90, Wal10, WAL18, WSR11, Way94, WM09, WS18, YM16, vsd11, vdHPKR13, GT95, RX16]. student-centredness [Wal10].

students-teachers [HMA13]. Students [BCFF+98, BH95, CBF07, Car99, Cla07, CRL06, GL98, GBR05, GPW05, IJ05, Jur06, MM00, STM06, WB11, Wat01, Witt05, Bat13, Bek10, Blo03, BL10, Bon14, BJJ13, BSF96, Bro08b, Cla83, Cla92, CBS12, CS12, CSM17, DW17, DeB97, Dem93, Dom11, DLK14, DS17, Ell13, Eng12, ET95, FV13, FQC95, Fra13, Fra96, GdA09, Gro77, Hah14, HC95, Her02b, Hew12, HP03, Kae93, Kae94, Kar10, Kas86, Kon72, LH71, LBT07, LMCG08, LG16, LDL14,
[Han98]. System
[Van74, Bro10a, Dub84, Gen70, HOEF89, KRHD15, Sfa15, SS93b].
System-wide[Bro10a]. Systematic[Eng68]. systématique[Dub84].
systeme[Ott76]. systemic[Wit01, ZCPP13]. Systems
[Gat06, CV09, Die71, GMHG09, GT09, MWVE09, PXTW17, SK69].
Tie00, TDEM13, VD79, WKB97, dF04, dF12. Teaching
[AP07, ACJO04, Als02, Ano74b, Ano98i, Ass05, Bag73, Blo03, Cas98,
CWL07, Cha97, Chr00, Cla02, Cli17, DS06, Doe06, EH05a, EH05b, GP01,
HPG05, HEM07, Hh, JB07, Kla02, LPG05, Ler01,
MMD05, MR17, NBE‘12, PB03, PGM13, PM97, SLF‘12, Šed69, Se98,
SGTK14, SPP11, Ste05, TER98, Tir99, Tsa99, Tsa02, Uhl02, Uhl03, Ves76,
VM78, WD05, Wit84, AV08, All85, AH00, ARHS14, Ano68a, Ano68c, AV76,
BS12, Bat13, Beh68, Bel93b, Bel93c, BC92, BS80, BN77, BR78, Bur80a,
Bur02a, Bur80b, Cas77, CJ75, Cha18, CW14a, CPK08, DB6b, ID95, DRR02,
EVR16, Elb03, Eng68, Ern85, Eve90, EK10, FvM97, Fic79, FG84, Fle71,
FBA10, For69, Fr74b, Fr93, FC12, FCN14, FM14, GP90, Gan92].

Teaching/learning [Cla02].

Teasing [Han12c].

Technical [Ano02d,
Ano02f, Ano04f, SS05b, Ern16b, RNP13].
technique [Wai70].

Techniques [MDD04, bL00, PSH‘18, Wai70].
techno [Gai11].
techno-mathematical [Gai11].

Technological [Baz01, MM03, Bis79b, TP10].
Technologies [EH05a, HbL05, Jou13, KL14, LK14a, Wal12].

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