REFERENCES

Achieve the Core. (2014) "Mathematics: Focus by Grade Level: 7." Retrieved from: https://achievethecore.org/content/upload/SAP_Focus_Math_7.pdf

Achieve the Core. (2015) "Instructional Materials Evaluation Tool (IMET): Mathematics Grades K-8." Retrieved from: http://achievethecore.org/IMET

Achieve the Core. (2015) "Rigor." Retrieved from: https://achievethecore.org/page/1090/rigor

Achieve the Core. (2020) "2020-2021 Priority Instructional Content in ELA/Literacy and Mathematics." Retrieved from: https://achievethecore.org/page/3267/priority-instructional-content-in-english-language-arts-literacy-and-mathematics

Ali, A. (2022) "Ranked: The Life Expectancy of Humans and 49 Other Animals." Retrieved from: https://www.visualcapitalist.com/ranked-the-life-expectancy-of-humans-and-49-other-animals/

Ashlock, R. (2009) *Error Patterns in Computation*. Pearson.

Ball, D., Thames, M., Phelps, G. (2008) "Content knowledge for teaching: What makes it special." *Journal of Teacher Education* 59. (5), pp. 389-407.

Barry, V. (2008) "Using Descriptive Feedback in a Sixth Grade Mathematics Classroom." Retrieved from: https://digitalcommons.unl.edu/mathmidactionresearch/9

Beigie, D. (2004) "Coordinate Plane Set Detective." Teaching in the Middle School 9. (5), pp. 251-255.

Beyond Television Productions. (2013) "MythBusters Folding Paper Seven plus times." Retrieved from: https://www.youtube.com/watch?v=65Qzc3 NtGs

Boaler, J., Munson, J., Williams, C. (2016) Mathematical Mindsets: Unleashing Students' Potential through Creative Math, Inspiring Messages and Innovative Teaching

Boaler, J., Munson, J. Williams, C. (2018) "What is Mathematical Beauty? Teaching through Big Ideas and Connections." Retrieved from: http://www.youcubed.org/wp-content/uploads/2017/08/What-Is-Mathematical-Beauty-1.pdf

Brodesky, A. Fagan, E., MacVicar, T. (2022) "Strengthening Math Intervention in the Middle Grades: Guide for Leaders." Retrieved from:

https://www2.edc.org/accessmath/resources/documents/Math Intervention Guide Leaders 2022 fin.pdf

CA Department of Education. (2013) "California Common Core State Standards for Mathematics." Retrieved from: https://www.cde.ca.gov/be/st/ss/documents/ccssmathstandardaug2013.pdf

CA Department of Education. (2014) "Glossary: Mathematical Terms, Tables, and Illustrations of the Mathematics Framework for Public Schools: Kindergarten Through Grade Twelve." Retrieved from: https://www.cde.ca.gov/ci/ma/cf/documents/mathfwglossary.pdf

CA Department of Education. (2014) "Mathematics Framework for California PublicSchools: Kindergarten Through Grade Twelve." Retrieved from: https://www.cde.ca.gov/ci/ma/cf/documents/transitionalkinder.pdf

CA Department of Education. (2023) "The California Mathematics Framework." Retrieved from: https://www.cde.ca.gov/ci/ma/cf/

Cannata, M., Haynes, K., Smith, T. (2013) "Reaching for Rigor: Identifying Practices in Effective High Schools." Retrieved from: https://files.eric.ed.gov/fulltext/ED561267.pdf

MathLinks: CORE (2nd ed.) ©CMAT

Carpenter, T., Fennema, E., Franke, M. et al. (1999) *Children's Mathematics: Cognitively Guided Instruction.* Heinemann Publishing.

Cassazza, P., Kranz, S.G., Ruden, R.D. (2015) "Mathematics and Teaching." I, Mathematician. Mathematical Association of America.

CAST. (2018) "Universal Design for Learning Guidelines version 2.2." Retrieved from: http://udlguidelines.cast.org Center for Educational Effectiveness. (2021) "Grading and Assessment." Retrieved from: https://cee.ucdavis.edu/jitt/grading-assessment

Census Bureau. (2020) "USA Facts." Retrieved from: https://usafacts.org/data/topics/people-society/population-and-demographics/population-data/population/

Center for Educational Effectiveness. (2021) "Grading and Assessment." Retrieved from: https://cee.ucdavis.edu/jitt/grading-assessment

Cereal Secrets. (2024) "10 Most Popular Cereals Based on Revenue and Boxes Sold." Retrieved from: https://cerealsecrets.com/most-popular-cereals/

Charles, A. (2019) "What is Rigor in Mathematics Really?" Retrieved from: https://www.utdanacenter.org/sites/default/files/2019-02/what-is-rigor-in-mathematics.pdf

Charles, R. (2005) "Big Ideas and Understandings as the Foundation for Elementary and Middle School Mathematics." *Journal of Mathematics Education Leadership* 7. (3), pp. 9-21.

Chval, K. and Chavez.O, (2011) "Designing Math Lessons for English Language Learners." *Mathematics Teaching in the Middle School* 17. (5), pp 261-265.

Clarke, C., Fisher, W., Marks, R., Ross, S., Zbiek, R. (2010) **Developing Essential Understanding of Rational Numbers, Grades 3-5.** National Council of Teachers of Mathematics

Common Core Standards Writing Team. (2019) "Progressions for the Common Core State Standards for Mathematics." Retrieved from: https://portal.smarterbalanced.org/library/en/claims-for-the-mathematics-summative-assessments.pdf

corestandards.org. (2013) "K-8 Publishers' Criteria for the Common Core State Standards for Mathematics." Retrieved from: https://achievethecore.org/content/upload/Math Publishers Criteria K-8 Spring 2013 FINAL.pdf

creativecommons.org. (2013) "EQuIP Rubric for Lessons and Units: Mathematics." Retrieved from: http://www.achieve.org/files/EQuIPmathrubric-06-17-13 1.pdf

De Maria, M. (2020) "What a McDonald's Big Mac Cost the Year You Were Born." Retrieved from: https://www.eatthis.com/big-mac-cost/

Diekmann, J. and Kokka, K. (no date). "SCALE Math Performance Assessment Rubric, Grades 3-12." Retrieved from:

https://performanceassessmentresourcebank.org/system/files/PARB%20CC%20BY%204.0%20SCALE%20Math%20PA%20Rubric%20Gr3-12%202016.pdf

Driscoll, M. (no date) Fostering Geometric Thinking. Heinemann.

Echevarria, J., Vogt, M., Short, D. (2016) *Making Content Comprehensible for English Learners (The SIOP Model), 5th ed.* Pearson.

edreports.org. (2021) "EdReports Evidence Guide Mathematics K-8 v1.5." Retrieved from: https://cdn.edreports.org/reviewtools/ag9zfmVkcmVwb3J0cy13ZWJyIAsSB1N1YmpIY3QYBQwLEgpSZXZpZXdUb29sGKevozgM/evidence-guide_K-8.pdf

MathLinks: CORE (2nd ed.) ©CMAT

Education Week. (2022) "Math Assessment and Intervention." Retrieved from: https://www.edweek.org/products/spotlight/spotlight-on-math-assessment-and-intervention

educationnorthwest.org. (2019) "Mathematics Interventions: What Strategies Work for Struggling Students?" Retrieved from: http://educationnorthwest.org/resources/mathematics-interventions-what-strategies-work-struggling-learners-or-students-learning

Ertmer, P. & Newby, T. (2005) "UDL Tips for Designing Learning Experiences." Retrieved from: https://www.cast.org/products-services/resources/2020/udl-tips-designing-learning-experiences

Fennell, F (Skip). (2011) *Achieving Fluency: Special Education and Mathematics*. National Council of Teachers of Mathematics.

Finkel, D. & Cook, K. (2020) "Fraction Talks." Retrieved from: https://mathforlove.com/lesson/fraction-talks/

Fosnot, C. and Maarten, D. (no date) **Young Mathematicians at Work: Constructing Fractions, Decimals, and Percents**. Heinemann.

Frykholm, J. (2010) Learning to Think Mathematically with the Number Line. Cloudbreak Publishing, Inc., Boulder, CO.

Fuson, K. and Beckmann, S. (no date) "Standard Algorithms in the Common Core State Standards." **NCSM Journal** 14. (2), pp. 14-30.

Goldstein, M., Kriegler, S., Gamelin, T., Orton, C. (2015) *MathLinks: Grade 7*. Center for Mathematics and Teaching, Inc.

Gojak, L. (2012). "Fluency: Simple Fast and Accurate? I Think Not!" Retrieved from: https://www.nctm.org/News-and-Calendar/Messages-from-the-President/Archive/Linda-M_-Gojak/Fluency_-Simply-Fast-and-Accurate_-I-Think-Not!

Hattie, J. and Timperley, H. (2007) "The Power of Feedback." Sage Journals 77 (1).

Herbert, K. and Brown, R. (1997). "Patterns as Tools for Algebraic Reasoning." *Teaching Children Mathematics* 3. (6), pp. 340-345.

Humphreys, C. and Parker, R. (2015) *Making Number Talks Matter: Developing Mathematical Practices and Deepening Understanding, Grades 3-10.* Stenhouse Publishers.

Johnson.R & Kuby P. (2007) Elementary Statistics. Brooks/Cole Publishing Co.

Kalman, R. & Restivo, N.(2014) MOEMS Contest Problems, V3. MOEMS, INC

Killian, S. (2021) "Distributed Practiceand Massed Practice: What Works Best?" Retrieved from: www.evidencebasedteaching.org.au/distributed-practice-massed-practice/

Kilpatrick, J. (2003) *A Research Companion to Principles and Standards for School Mathematics*. National Council of Teachers of Mathematics

Kilpatrick, J., Swafford, J., Findell, B. (2001) *Adding it Up: Helping Children Learn Mathematics*. National Academies Press.

Kriegler, S. (1991) "The Tangram - It's more than an Ancient Puzzle. Arithmetic Teacher 39. (9), pp. 38-43.

Kriegler, S. (1993) "Algebra in Elementary School? It's Already There." *CMC ComMuniCator* 18. (2), pp. 32-33.

MathLinks: CORE (2nd ed.) ©CMAT

Kriegler, S. (1999) "Just What is Algebraic Thinking?" *CMC ComMuniCator* 23. (3), pp. 32-34. Kriegler, S. and Gamelin, T. (2008) "Approximating Square Roots by Linear Interpolation." *CMC ComMuniCator* 32. (4)

Kriegler, S., Goldstein, M., Gamelin, T., Orton, C. (2014) *MathLinks: Grade 8*. Center for Mathematics and Teaching, Inc.

Lambert, R. (2015) "Constructing and Resisting Disability in Mathematics Classrooms: A Case Study Exploring the Impact of Different Pedagogies." *Educational Studies in Mathematics* 89. pp. 1-18.

Lambert, R. (2020) "Increasing Access to Universally Designed Mathematics Classrooms." Retrieved from: https://edpolicyinca.org/publications/increasing-access-universally-designed-mathematics-classrooms

Lambert, R. and Sugita, T. (2016) "Increasing engagement of students with learning disabilities in mathematical problem-solving and discussion." *Support for Learning* 31. pp. 347-366.

Lamon, S. (1993) "Ratio and proportion: Connecting content and children's thinking." *Journal for Research in Mathematics Education* 24 (1), pp. 41-61.

Lenchner, G. (1997) Math Olympiad Contest Problems for Elementary and Middle Schools. MOEMS, INC

Liljedhal, P. (2020) Building Thinking Classrooms in Mathematics, Grades K-12. Corwin Mathematics

Lobato, J., Ellis, B., Charles R. (2010) *Developing Essential Understanding of Ratios, Proportions and Proportional Reasoning, Grades 6-8*. National Council of Teachers of Mathematics.

MARS. (2007-2015) "Welcome to the Mathematics Assessment Project." Retrieved from: https://www.map.mathshell.org/index.php

Mayberry, S. Chastain, B., Owenby, C. (no date) "Cognitive Demand within Tasks." Retrieved from: https://mathematicaltasks.weebly.com/cognitive-demand-defined.html

McCallum, W., Daro, P., Zimba, J. (2013) "Progressions documents for the Common Core Math Standards." Retrieved from:

http://ime.math.arizona.edu/progressions/

Merseth, K. (1993) "How Old is the Shepherd? An Essay About Mathematics Education." *Phi Delta Kappan* 74. (7), pp. 548-554.

Meyer, D. (2022) "Dan Meyer's Three Act Math Tasks- Google Drive." Retrieved from: https://docs.google.com/spreadsheets/d/1jXSt_CoDzyDFeJimZxnhgwOVsWkTQEsfqouLWNNC6Z4/edit#gid=0

Moschkovich, J.(1999) "Supporting the participation of English language learners in mathematical discussions." *For the Learning of Mathematics* 19. (1), pp. 11-19.

Moschkovich, J. (2013) "Principles for Mathematics Instruction for ELLs." Retrieved from: https://ell.stanford.edu/teaching_resources/math

Moschkovich, J. (2013) "Principles and guidelines for equitable mathematics teaching practices and materials for English language learners." *Journal of Urban Mathematics Education*. (6), pp. 45-57.

Nazari, K., Ebersbach, M. (2019) "Distributing mathematical practice of third and seventh graders: Applicability of the spacing effect in the classroom." *Applied Cognitive Psychology* 33. (2), pp. 288-298.

NCTM. (2000) *Principles and Standards for School Mathematics*. National Council of Teachers of Mathematics

MathLinks: CORE (2nd ed.) ©CMAT

NCTM. (2014) "Procedural Fluency in Mathematics: A Position of the National Council of Teachers of Mathematics." Retrieved from:

https://www.nctm.org/Standards-and-Positions/Position-Statements/Procedural-Fluency-in-Mathematics/

NCTM. (no date) "Why is Teaching with Problem Solving Important to Student Learning?" Retrieved from: https://www.nctm.org/Research-and-Advocacy/Research-Brief-and-Clips/Problem-Solving/

New York State Education Department. (2013-2022) "Grades 3-8 Mathematics Released Test Questions." Retrieved from: https://www.nysedregents.org/ei/ei-math.html

Okrent, A. (2013) "11 Teeny Units of Measurement for Tiny Things." Retrieved from: https://www.mentalfloss.com/article/53596/11-teeny-units-measurement-tiny-things

Openmiddle.com. (no date) "Challenging Math Problems Worth Solving (Grade 7)." Retrieved from: https://www.openmiddle.com/category/grade-7/

Palmquist, J. (no date) "Number Talks for Geometry: Great Prompts to Promote Mathematical Discussion." Retrieved from: https://www.thumbsupmath.com/flip-books/number-talks-for-geometry

PARCC. (2017) "PARCC Model Content Frameworks: Mathematics Grades 3-11, Version 5.0." Retrieved from: https://files.eric.ed.gov/fulltext/ED582070.pdf

Richardson, K. (2011) "What is the Distinction Between a Lesson and a Number Talk?" Retrieved from: https://www.hoodriver.k12.or.us/cms/lib/OR01000849/Centricity/Domain/1244/Difference%20between%20a%20Lesson%20and%20a%20Number%20Talk.docx.pdf

SBAC. (2012) "Claims for the Mathematics Summative Assessment." Retrieved from: https://portal.smarterbalanced.org/library/en/claims-for-the-mathematics-summative-assessments.pdf

SBAC. (2021) "Understanding the Formative Assessment Process." Retrieved from: https://portal.smarterbalanced.org/library/en/formative-assessment-process.pdf

SCALE. (2014) "Developing Student Ownership and Responsibility in High Schools." Retrieved from: https://files.eric.ed.gov/fulltext/ED561245.pdf

SFUSD. (2019) "UDL Guidelines in Math." Retrieved from: https://www.sfusdmath.org/universal-design-for-learning.html

Sliva, J. (2003) Teaching Inclusive Mathematics to Special Learners, K-6. Corwin Press.

Sousa, D. (2016) How the Brain Learns. A Classroom Teacher's Guide (5th ed). Corwin Publishers.

Sowder, J. (2002) Lessons Learned from Research. National Council of Teachers of Mathematics.

Stassen, M., Doherty, K., Poe, M. (2001) "Program-based review of assessment: Tools and techniques for program improvement." Retrieved from:

http://www.umass.edu/oapa/sites/default/files/pdf/handbooks/program_assessment_handbook.pdf
Stein, M. and Smith, M. (2018) *5 Practices for Orchestrating Productive Mathematics Discussions*. Corwin Press

Stein, M.S. & Smith, M. (1998) "Selecting and creating mathematical tasks. *Mathematics Teaching in the Middle School* 3. pp. 344-350.

MathLinks: CORE (2nd ed.) ©CMAT

Stenger, M. (2014) "Student Ownership and Responsibility Are Key to Acedemic Success Finds New Research." Retrieved from: https://www.opencolleges.edu.au/informed/other/student-ownership-and-responsibility-are-key-to-academic-success-finds-new-

research/#:~:text=The%20research%20shows%20that%20students,%2C%20self%2Ddirection%20and%20productivity.

Stevens, J., Vaudrey, M. (2016) The Classroom Chef. Dave Burgess Consulting, Inc.

Stigler, J. and Heibert, J. (1997) "Understanding and improving classroom mathematics instruction: An overview of the TIMSS video study." *Phi Delta Kappan* 79. (1), pp. 14-21.

Stigler, J. and Heibert, J. (2009) *Teaching Gap: Best ideas from the world's teachers for improving education*. Simon and Schuster

Student Achievement Partners. (2021) "Priority Instructional Content in ELA/Literacy and Mathematics." Retrieved from: https://achievethecore.org/page/3267/priority-instructional-content-in-english-language-arts-literacy-and-mathematics

Sullivan, P. & Lilburn, P. (2002) Good questions for Math Teaching, K - 6. Math Solutions Publications.

Umejima, K., Ibaraki, T., Yamazaki, T., Sakai, K. (2021) "Paper Notebooks vs Mobile Devices: Brain Activation Differences During Memory Retrieval." *Frontiers in Behavioral Science* 15.

Water Footprint Calculator. (2024) "Food's Big Water Footprint." Retrieved from: https://watercalculator.org/footprint/foods-big-water-footprint/

Wikipedia (2024). "List of highest-paid NBA players by season." Retrieved from: https://en.wikipedia.org/wiki/List_of_highest-paid_NBA_players_by_season

Webb, N. (2005) "Web Alignment Tool." Retrieved from: https://www.state.nj.us/education/AchieveNJ/resources/DOKWheel.pdf

Yeh, C., Sugita, T. and Tan, P. (2020) "Reimagining Inclusive Spaces for Mathematics Learning." *Mathematics Teacher* 13. (9), pp. 708-714.

Young, B. (2009) "Kids Master Mathematics When They're Challenged But Supported." Retrieved from: www.edutopic.org/math-underachieving-mathnext-rutgers-newark

Zwiers, J. Diekmann, J. (2017) "Principles for the Design of Mathematics Curricula: Promoting Language and Content Development." Retrieved from: https://ul.stanford.edu/sites/default/files/resource/2021-11/Principles%20for%20the%20Design%20of%20Mathematics%20Curricula 1.pdf

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