

Mathematics Resources

From the Series: What Parents and Teachers Should Know

Note: *This is not an exhaustive list of writing recommendations. This list is not tailored towards your child or student's unique learning profile, therefore; some recommended strategies may not directly influence your child or student's academic profile.*

Learn the specifics about your child or student's learning disability

- Learning Disabilities Association, Alberta; <https://ldalberta.ca>
- Learning Disabilities Association of Canada: <https://www.ldac-acta.ca>
- LD OnLine; <http://www.ldonline.org>
- Unlocking Potential: Programming for Students with Learning Disabilities (Alberta Learning, 2002)
education.alberta.ca/media/385144/unlocking-potentialprogramming-for-students-learning-disabilities-2002.pdf

Courses on how to best support your child or student

- Foothills Academy;
<https://www.foothillacademy.org/community-services/professional-development/courses>
- Udemy;
<https://www.udemy.com/course/teach-children-with-learning-disabilities-a-practical-guide/>

General Mathematics Resources

- Evidence-Based Mathematics Practices;
<https://iris.peabody.vanderbilt.edu/module/math/cresource/q1/p03/>
- Interventions, Strategies, and Resources;
<https://www.ldatschool.ca/evidence-based-interventions-for-math/>
- Effective School Interventions, Third Edition: Evidence Based Strategies for Improving Student Outcomes;
<https://www.guilford.com/books/Effective-School-Interventions/Burns-Riley-Tillman-Rathvon/9781462526147>
- Information regarding teaching math online:
<https://www.ldatschool.ca/ate-teaching-math-online/>
- Engaging children in mathematics;
<http://resourcesforearlylearning.org/educators/module/20/9/32/>

Conceptual Understanding of Mathematics Strategies

- Concrete-Representational-Abstract;
<https://www.ldatschool.ca/concrete-representational-abstract/>

- Part-Part-Whole;
<https://www.talesfromoutsidetheclassroom.com/2019/01/part-part-whole.html>
- Conceptual Learning with ST Math;
<https://blog.mindresearch.org/blog/schemas-deep-conceptual-understanding>

Fluency

- Taped problems;
<https://ebi.missouri.edu/wp-content/uploads/2013/10/EBI-Brief-Template-Taped-Problems.pdf>
- Timed Trials; <http://doc.renlearn.com/KMNet/R004344828GJF314.pdf>
- Strategies for Moving Students toward Fact Fluency;
<http://www.wismath.org/resources/Documents/133LWilliams-Fact%20Fluency%20PP.pdf>
<https://www.corelearn.com/math-fluency/>

Word Problem Solving

- Fast Draw; <http://coe.jmu.edu/learningtoolbox/fastdrawbasic.html>
- Cognitive Routine;
<https://www.interventioncentral.org/academic-interventions/math/math-problem-solving-combining-cognitive-metacognitive-strategies>
- Giant story problems;
<http://www.readwritethink.org/classroom-resources/lesson-plans/giant-story-problems-reading-146.html?tab=1#tabs>

Online Math Games

- Math Games by Grade; <https://www.education.com/games/math/>
- Games, Puzzles, and Other resources (e.g. Worksheets/Word Problems, Math Centers);
<https://gregtangmath.com>
- Complete Lesson Plans, Mobile Games, Interactive Activities, and Brain Teasers;
<https://illuminations.nctm.org>