



CONNECTICUT STATE DEPARTMENT OF EDUCATION

Supporting Parents and Caregivers of Students with High Needs During the COVID-19 Pandemic

Math

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Supporting Parents and Caregivers of Students with High Needs During the COVID-19 Pandemic

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Supporting Parents and Caregivers of Students with High Needs During the COVID-19 Pandemic

The information and resources included in this resource guide are organized into ten different topical categories:

- Getting Started;
- Communication Skills;
- Literacy;
- Math;
- Science, Social Studies, and Current Events;
- Physical Activity and Mobility;
- Life-Skills and Self-Help Skills;
- Art;
- Sensory Activities and Supports; and
- Play and Leisure.

[Resource Guide](#)

[One-Pager](#)

[Getting Started](#)

- 1) Some Functional Tips
- 2) Self-Care for the Parent/Caregiver
- 3) Setting Up the Environment for Continued Educational Opportunities at Home

[Overview & Getting Started Webinar](#)

- [Download the Presentation](#)

Session Presenters & Goal



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Session Goal

- ✓ Provide an overview of the **Math** section in the resource guide

<https://bit.ly/highneeds-math>

Math

MATH SUPPORTS

This section contains tips for working on math skills with children at home. Math skills for students with high needs can focus on concepts such as number sense through computation. Make sure to work with your child's school-based team in order to help you support appropriate math activities within your daily routines.

Math

PUTTING MATH SUPPORTS INTO PRACTICE

Some tips for success include:

- Talk to your child's teacher about what math skills to focus on for your child.
- Math skills often build on one another, so make sure that your child is not jumping around between skills on the websites listed below, as they may experience unnecessary frustration and be more likely to refuse to use that resource next time.
- Math can be difficult and repetitive for many kids. Try to make it fun, keep sessions brief, and focus on practicing skills they have previously learned!
- Mix preferred activities in between less preferred activities to sustain your child's attention.
- Provide brief, scheduled breaks to prevent fatigue.

Math is an incredibly broad concept and skill. The following includes several handouts that can help explain what math skills your child's school may be targeting and some fun activities to do at home to practice those skills.

- [Parent Roadmaps to the Common Core Math Standards](#): Breaks down the math concepts a child will be learning in each grade level. The last page provides examples and ideas for activities parents can do with their kids!
- [Math Choice Menu \(Grades K-5\)](#): Activities to practice math skills at home with everyday objects, broken down by grade level.
- [Math Games with a Deck of Cards](#): Games to play with a regular deck of cards.
- [Great resource for math activities](#) for students with high needs.

Math

If your child is easily frustrated with math activities, please consider that to maintain skills and build fluency, your child should be able to answer at least half (50%) of the math problems correctly. If your child has **less than 50% accuracy** with a skill, this may mean that the activities are above their current instructional level and may require more modeling/teaching. Choose to focus on a different skill where your child does have foundational skills and/or ask your child’s teacher to provide further instruction or recommend web-based activities.

The following techniques are recommended for children who are completing problems with accuracy, but may get easily tired or frustrated with practice. You can remember these as “Confidence Helpers”:

- **Choice** -- give your child simple options of where and how to complete the task.
 - Do you want to do your math with a pencil or pen?
 - Do you want to sit at the kitchen counter or dining table?
- **Chunking** -- limit how much is visually presented to your child at one time.
 - Present only 1 problem at a time (e.g., flashcards).
 - Fold any worksheets in half to hide problems.
- **Chopping** -- focus on quality over quantity by cutting the task in half.
 - Direct your child to complete half of a task (e.g., even problems or odds)?
- **Chaining** -- go in order of mastery, starting with easiest and moving up.
 - On a worksheet, direct your child to start by finding 1-3 problems they know.
- **Checklist** -- for complex, higher-level math activities and projects, assist your child in creating a checklist that breaks the project into smaller steps.
 - Parents - ask your child’s middle/high school math teacher for any lists they have!

Confidence Helpers		
CH	oice	Utensil, location
	unk	Cover some
	op	Odds or evens?
	ain	Do easy first
	ecklist	Outline steps

Math

ADDITIONAL RESOURCES

The following online resources target a wide range of skills. Always preview the content to make sure that it is at the right instructional level for your child (remember to first focus on practicing previously learned skills, rather than new skills!). Don't hesitate to ask your child's teacher for help in deciding where to start and whether targeting new skills in this format is appropriate for your child. **Both the icon and resource name are hyperlinked and can be clicked to access the content.**
NOTE: All have FREE content!

		Sign-In*	Interactive	Printables	Grade Levels
	FunBrain : User-friendly games under "Math Zone" tab. Customize difficulty and content!	●	✓	○	PK-8
	MathGames : Games and printable worksheets by grade level and standard.	●	✓	✓	PK-8
	Khan Academy : Math games broken down by grade level and skill.	●	✓	○	PK-12
	SplashLearn : Games and a reward system to earn coins while playing.	●	✓	○	K-5
	Able2Learn : Printable worksheets on a wide variety of skills.	●	○	✓	1-6
	MathWorksheets.com : Printable worksheets by grade level and topics.	●	○	✓	1-6
	Camp Discovery for Autism : Personalized games with errorless learning or correction.	●	✓	○	1-6
	EdHelper : Printable math worksheets and workbooks with critical thinking content.	●	○	✓	1-6
	ABCya : Free desktop math games with options to purchase more features.	●	✓	○	1-6+
	MathPlayground : Interactive games and videos that children can watch!	●	✓	○	1-8
	Prodigy : Make an avatar and go on an adventure that includes math problems!	●	✓	○	1-8

* ● = Sign-Up Required ● = Account Optional ● = Account Not Needed

Thank You! – Be Safe!

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We are all in this together!