

## Home Connections in Mathematics

### October 2021: Online Math Supports

Our children live in a digital world. How do we help them use technology to enhance their math learning? Below are some fantastic online resources that will help both parents and students to be successful in math while at home. All of these websites contain content that is based on the Ontario curriculum.

[Homework Help for Students in Grades 6-11 and Parents/Guardians through Mathify](#)



Help your child build math skills with FREE 1:1 Grade 6-11 math tutoring with Ontario Certified Teachers! To support learning at home, tutors are available online Monday-Friday 9am to 9pm ET and 3:30pm to 9pm ET Sunday. Boost math understanding and confidence with a personalized math coach that works with your child's schedule.



TVO mPower focuses on some of the tougher-to-learn math concepts, helping students build confidence and master the skills they'll need to succeed. All content is aligned with the Ontario math curriculum for Kindergarten through Grade 6. <https://mpower.tvo.org/#/login/>



<https://www.mathplayground.com/thinkingblocks.html> Math Playground is a free website that allows students of all ages to practice a variety of problem-solving strategies in a game-like setting.



Dreambox mirrors the work being done in your child's classroom. This site requires a membership. Ask your child or contact your child's teacher to see if they have a subscription. If they are using these in school, they are highly encouraged to also use it at home.



<https://www.knowledgehook.com/>

Knowledgehook is a Grade 1-10 Mathematical instructional guidance system which utilizes formative assessment to differentiate learning in mathematics. This year, every teacher has unlimited access to Knowledgehook which is a great way to practice math flexibility while harnessing problem solving skills. TVDSB educators and students have been provided with accounts this year. Parents can register for automated updates to monitor their child's progress.



<http://ca.mathletics.com> Mathletics is an online math learning space providing students with many of the tools they need to be successful learners, both in the classroom and beyond. Courses are aligned to provincial math curricula, from Kindergarten through High School. The program uses math similar to that your child is using in class. This program requires a subscription. Ask your child if they have one.

# Home Connections in Mathematics



Scratch is an introductory programming language that enables young children to create their own interactive stories and games. Children snap together graphical programming blocks to make characters move, jump, dance, and sing. Students are encouraged to “start creating” when they arrive at the website and are advised not to enter their personal information. <https://scratch.mit.edu/>

## Math Tools to Support Home Learning



The [www.mathies.ca](http://www.mathies.ca) is a free Ministry site and supports students from Kindergarten to Grade 12. Here, you will find learning tools to help your child complete their homework and deepen their understanding of essential concepts.



<https://mathigon.org/polypad> is the best digital canvas for exploring mathematics: containing 50+ unique virtual manipulatives, dynamic geometry, graph plotting, powerful sharing features, and much more.



<https://www.desmos.com/> offers best-in-class calculators, digital math activities, and curriculum to help every student love math and love learning math.



EquatIO gives your students the opportunity to show their mastery in math, in a way that best suits them. They can speak, draw or type problems and equations directly onto their device.



[Microsoft MakeCode](https://code.visualstudio.com/) is a free open-source block-based coding platform which fosters engaging computer science learning experiences that support a progression path into real-world programming. There are numerous tools available which contain a variety of tutorials to help students learn to code.

Technology is an easy way to increase your child's enjoyment and understanding of mathematics and for you both to learn together.