



## On-line Resources for Students who Require Support with Math and Visual and Spatial Skills

Source	Grade Level	Description	Cost
<a href="#">TVO mPower</a>	K-6	Game-based math activities. In the “Game-world” players progress through a video game model by completing tasks based in mathematics (e.g. building a playground structure, designing a garden, etc.) In other sections, players work through math activities based on themes (e.g. learning about biomes while answering addition questions, grocery shopping while measuring the items on the list, etc.) Parents are required to sign up for a free account.	Free
<a href="#">Mathies</a>	K-12	Provides both math-based games and math learning tools. Games reach a variety of grade levels and cover all topics of mathematics and include more complex topics like trigonometry. The learning tools provide access to common math manipulatives, like counters and graphing calculators, as well as tools for representing more complex math concepts.	Free
<a href="#">University of Waterloo: Centre for Education in Math and Computing</a>	7-12*	*There are limited resources for students in grades 3-6 in both math and computing, including links to external resources. The 7-12 resources feature lessons for topics in the Ontario Curriculum. Each lesson provides video instruction in the skill and practice questions to complete. Answer guides are provided. Lessons for Advanced Functions & Pre-Calculus and Calculus and Vectors are also included. For students looking for lessons in computer programming there are video lessons for both elementary and secondary students.	Free
<a href="#">TVO Mathify</a>	6-10	Online, math tutoring support for Ontario students in grades 6-10. Certified Math teachers are available to support student learning via chat.	Free
<a href="#">Prodigy</a>	1-8	Math-based video game. Students complete grade-based math tasks to advance in the video game. Parent centre allows parents to set and monitor goals for their child’s learning. Parents are required to sign up for a free account.	Free
<a href="#">Khan Academy</a>	K-12+	Full video lessons, exercises and assessments. Students earn points and collect digital badges for completing exercises and lessons. Parents are required to sign up for a free account.	Free