

## Mathematics Learning Activities Grades 4-6

### Key Stage 2 (Grades 4 - 6) Choice Board

Choose from these tasks, for a total of 30 minutes per day.

Learning Activity	Time	Instructions/Elaboration	Considerations
Jigsaw puzzles	10 - 30 min	Jigsaw puzzles	Puzzles provide an excellent opportunity for your child to develop their spatial awareness.
Card games	10 - 30 min	Crib, War, Crazy 8's, Go fish, Uno...	Playing card games that involve strategy, mental math, keeping score will assist in maintaining these skills with your child. Have them keep score and allow them to struggle before jumping in to help them right away.
Time	5 min	Ask what time it is. Read time on a digital and analogue clock. Discuss reading time in different ways. Ex. "10:45 PM" vs "22:45" vs "quarter to 11" vs "15 minutes to 11"	This can be built into activities throughout the day. Make sure to use both digital clocks and analogue clocks.
Games	10 - 30 min	Monopoly, Life, Yahtzee, Battleship, Checkers, Chess, Sudoku.	Let your child be the banker or keep score.
Math facts	5 - 10 min	Have stairs? You stand at the top, your child is at the bottom. Each time they get one correct they get to climb one step. When they reach the top they are done.  Practice your multiplication facts by playing Granny Prix <a href="https://tinyurl.com/granny-prix">https://tinyurl.com/granny-prix</a>	It is the expectation by the end of grade 5 that students can recall a fact in 3 seconds.
Floor Plan	30 min per day until complete	Create a scale diagram of the main floor of your home. Design a scale diagram of your dream bedroom. <a href="https://tinyurl.com/floorplanscale">https://tinyurl.com/floorplanscale</a>	Let them see the practical and professional side of math. Have them read a tape measure and work with ratios.

<b>Cook with your kids</b>	<b>10 - 30 min</b>	Have them measure the ingredients. Double the recipe.	Let them see the practical side of math. Using measuring cups and making conversions from imperial to metric will help to develop life long skills.
<b>Math Art</b>	<b>20 min</b>	Create a tessellation. A tessellation (or tiling) is when we cover a surface with a pattern of flat shapes so that there are no overlaps or gaps.. <a href="https://tinyurl.com/design-tessellation">https://tinyurl.com/design-tessellation</a> Look for examples around the house. It could be wallpaper, backsplash tiles, flooring or designs on clothing.	Creating designs with geometric shapes helps to develop spatial awareness and spatial logic.
<b>Data &amp; Graphing</b>	<b>30 min per day until complete</b>	Talk to your family and friends to find out their favourite ice cream flavour. Create a graph to show the results.  <a href="https://tinyurl.com/graphicecream">https://tinyurl.com/graphicecream</a>	Reading information off graphs is a skill that students will continue to use into their adulthood.
<b>Online resources</b>		<a href="https://www.khanacademy.org/">https://www.khanacademy.org/</a> <a href="https://mathies.ca/">https://mathies.ca/</a> <a href="http://www.mathplayground.com">www.mathplayground.com</a> <a href="http://www.dreambox.com/canada">www.dreambox.com/canada</a> <a href="http://www.mathbeforebed.com">www.mathbeforebed.com</a> <a href="https://nrich.maths.org/secondary">https://nrich.maths.org/secondary</a> <a href="https://illuminations.nctm.org/">https://illuminations.nctm.org/</a> <a href="https://www.mathlearningcenter.org/resources/apps">https://www.mathlearningcenter.org/resources/apps</a> <a href="https://www.youcubed.org/">https://www.youcubed.org/</a> <a href="https://code.org/">https://code.org/</a> <a href="https://curio.ca/en/categories/math-science-and-technology/mathematics-1954/">https://curio.ca/en/categories/math-science-and-technology/mathematics-1954/</a>	