

K-2 Numeracy

Activity	Curriculum area	Instructions	Considerations
Block Building	Numeracy	<p>Independently or with a partner, build structures, such as building a tower</p> <p>Variations:</p> <ul style="list-style-type: none"> • As a challenge, build a structure that uses at least 20 items (40, 150, etc.). • If more than one child is building, each player could draw a card from a standard deck of cards or roll one or two dice to determine the number of blocks that each partner can add on to the structure for their turn. 	<p>Building with blocks or Lego helps your child to develop spatial awareness, counting, while also working on fine motor skills.</p> <p>When the structure unintentionally falls, encourage them to persevere and keep trying. Talk about why it may have fallen and what they could try differently the next time.</p>
Counting	Numeracy	<p>Encourage your child to count throughout the day.</p> <ul style="list-style-type: none"> • Counting the number of steps as they walk. • Ask your child how many forks are needed so everyone gets one. • Have your child count sets of objects such as socks, toys, buttons, etc. • Ask your child to count out 'x' number of buttons. Can they make a matching set with a different set of objects like crayons? (Kindergarteners are expected to count no more than 10 objects) 	<p>Learning to count and developing more efficient ways to count large groups of objects is an important part of learning mathematics for children at this age. Let your child lead this activity, asking them to explain their thinking and how they know they counted accurately.</p> <p>The following link is to a short video explaining the activity: https://tinyurl.com/counting-collections</p>

		<p>(Grade 1 can count up to 20 objects and Grade 2 up to 100 objects)</p> <ul style="list-style-type: none"> • • Have your child write or make a drawing showing what they counted and how they counted. 	
Puzzles	Numeracy	<ul style="list-style-type: none"> • Try commercially produced jigsaw puzzles of 24 - 300 pieces, depending on your child's age and skill level. • You and your child can make your own jigsaw puzzle by drawing a picture or using a picture from a magazine and cutting it into pieces. The cutting can be done freeform or following lines you or your child has drawn. • Save your puzzles in envelopes or zip top bags to do again later. 	Puzzles are a fun way to develop spatial awareness, concentration, resilience and persistence.
Cooking	Numeracy	<ul style="list-style-type: none"> • Preparing and serving food provides many opportunities for counting, measuring, and following directions in order. • Your child can help to count out ingredients or servings. • They can also assist with reading the recipe and measuring ingredients. 	<p>Explore Health Canada's website for suggestions for preparing food with your child:</p> <p>https://food-guide.canada.ca/en/healthy-food-choices/</p>
More/Less		<ul style="list-style-type: none"> • While eating together you can ask your child if they have more or fewer peas, tomatoes, cucumbers, etc. than you? 	This helps children enhance their number sense.

		<ul style="list-style-type: none"> • Say a number and ask your child to tell you what is one more or one less than that number. If your child is having crackers for snack and they have 5 of them, ask them how many they will have after they eat one? • This is a very versatile activity that can be adapted to suit the age and ability of your child. For example, you could ask your child to tell you the number that is two more or two less, ten more or ten less. 	
Card Games and Board Games	Numeracy	<ul style="list-style-type: none"> • Card games and board games provide opportunities for your child to recognize numbers, counting, plan and use logic, reasoning, and strategy. • Some card games your child might enjoy at this age are: Crazy Eights, Go Fish, Snap, Pig, Concentration, 7 Up and Solitaire. • Some board games your child might enjoy are: Snakes and Ladders, Checkers, Jenga, Yahtzee, Battleship, and Connect Four. • Also, try paper-and-pencil games like Tic-tac-toe, Sim and Dots and Boxes. 	<ul style="list-style-type: none"> • Rules for common games are available in books and online such as at: https://bicyclecards.com/rules/ or https://tinyurl.com/cardgame-rules • You can also make up your own game with your own rules (wonderful writing activity)
On-line suggestions	Numeracy	<ul style="list-style-type: none"> • Youcubed https://www.youcubed.org/ • Teach Early Years 	Playing games or watching videos online with your child gives you the opportunity to ask them questions about what they are playing or watching. You might ask them

		<p>https://www.teachearlyyears.com/learning-and-development/view/taking-maths-outdoors</p> <ul style="list-style-type: none">• Wild Math https://wild.maths.org/• NRich Maths www.nrich.maths.org	<p>about their thinking as they complete a challenge in a game or pick one idea that is shown in a video to discuss.</p>
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