

# Grade 2 Learning Advantage



100% Canadian content...  
aligned with school curriculum



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Pages for Parents  Adult help required



Grade 2 Curriculum Expectations: at the beginning of every unit  
Follow-Up Fun (Web sites, books, excursions): last page of every unit



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Parent-friendly... List of curriculum expectations

**Unit 7**



## DISCOVER THE WORLD

This unit will help students achieve several expectations of the Grade 2 curriculum.



**In Grade 2, students are expected**

**(Social Studies)**

- to understand the globe as a model of the earth, the hemispheres, the equator, the polar regions, and the cardinal directions (N, S, E, W);
- to locate Canada and other countries on a map or globe;
- to use legends and colour on maps;

**(Language)**

- to understand and convey information by reading and writing;
- to separate words into parts in order to determine the meaning of new words;
- to use a variety of sentence types.



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100% Canadian content ... Canadian money

## Bank Your Bucks

Look at the money beside the piggy banks. Estimate (That means 'guess.') how much money is beside each bank and record your guess. Then count the coins and record the actual amount.

Estimate	Count
_____ ¢	_____ ¢
_____ ¢	_____ ¢
_____ ¢	_____ ¢
_____ ¢	_____ ¢
_____ ¢	_____ ¢
_____ ¢	_____ ¢




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100% Canadian content... Canadian measurements

## MEASURE ME!

 Adult help required

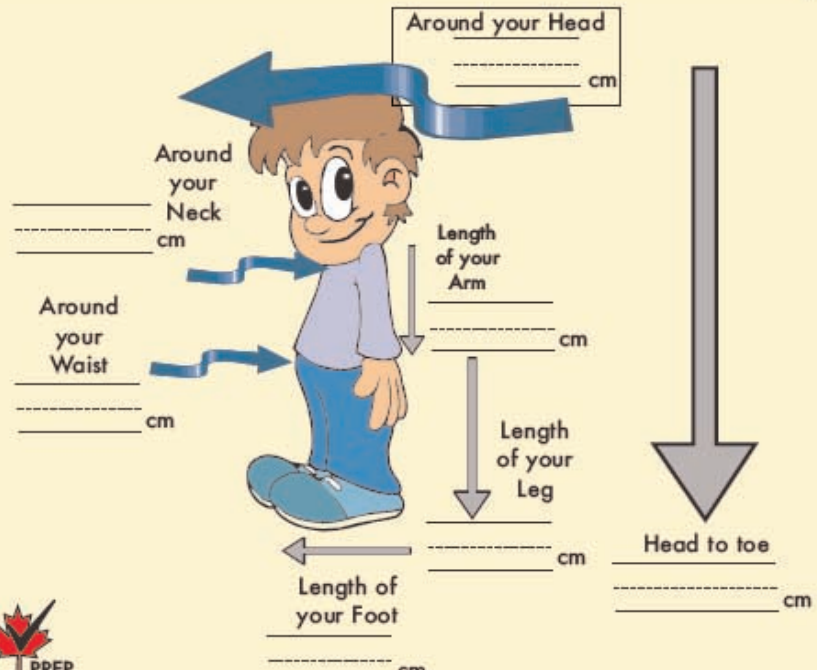
Look at a measuring tape. Find out how long one centimetre is.

Use your thumb and first finger to show one centimetre (1 cm).

Measure your **handspan**. (Stretch out your hand, and **measure** from the tip of your thumb to the tip of your little finger.) How many cm? \_\_\_\_\_

**You can use your handspan to help you estimate whenever you measure anything.**



Around your Head \_\_\_\_\_ cm

Around your Neck \_\_\_\_\_ cm


Around your Waist \_\_\_\_\_ cm

Length of your Arm \_\_\_\_\_ cm

Length of your Leg \_\_\_\_\_ cm

Head to toe \_\_\_\_\_ cm

Length of your Foot \_\_\_\_\_ cm



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100% Canadian content...

Canadian Social Studies



## The Canadian Way



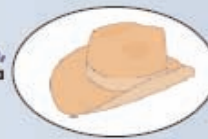
Although Canadians come from many different cultures, there are also many **Canadian traditions**.

Think about some holidays and special days we have in Canada. **Canada Day** and **Remembrance Day** are two special days.



In Quebec they have a special festival called **Carnaval de Quebec**, where they celebrate winter with ice sculptures, ice fishing, sleigh rides and traditional foods such as maple syrup.

In Calgary they have an event called the **Calgary Stampede**, where they celebrate the region's traditions with a parade, a rodeo, chuckwagon races and country music.



Do some research in your community, in the library or on the internet to find out about some other Canadian traditions.

Make a list of some community celebrations you discovered and choose one of them.

Design a poster that could be used to tell people about the event.

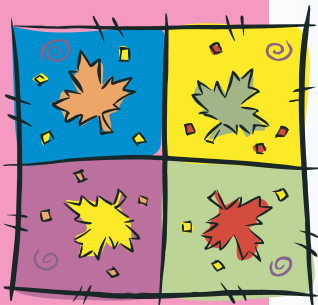
Use pictures you draw, cut out of magazines or print from the computer to make it interesting.

Create your flyer in your journal.



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# Grade 2

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Uses current educational theory...  
integrated learning (Weather/ poetry)

### ACROSTIC POEMS

To create an acrostic poem, you begin with one word that is the title of the poem.

Each line of the poem must begin with each letter of the title word in order, and say something related to that word.

This type of poem does not need to rhyme.



#### Weather



Windy and rainy days  
Even snow and hail  
All kinds of precipitation  
Thunder and lightening  
Heat waves too  
Every season changes  
Report it on the news



G. Marion

Choose **one** weather word from the list below and make your own acrostic poem.

Hint: You can use other words from this list in your poem.

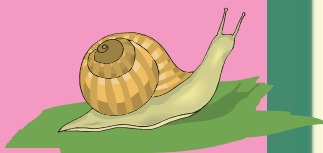
Sunny	Heat wave	Cold	Snow
Storm	Lightning	Cloudy	Snowy
Rainbow	Rainy	Thunder	Foggy
Heat	Windy	Hot	Stormy

After you have chosen a word for your title, write the letters of the word down one side of a piece of paper, like the word "weather" in the poem above.

Then write each line of your poem, beginning with the letter at the beginning of the line.



When you have written your poem, and revised it,  
write it in good in your journal book.




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Uses current educational theory...  
tactile learning activities

## Water Cycle Experiment

 Adult help required

### Materials Required


- > two containers, 2-cup capacity (one with a lid)
- > a measuring cup
- > water
- > marker or masking tape
- > ruler
- > freezer



### Directions

**Step 1:** (Step 2 is on page 86)

1. Fill both containers with 500 mL (2 cups) of water. It is important to make sure that the same amount of water gets put into both containers.
2. **Mark the water level** on the outside of both containers with a marker or a piece of masking tape.
3. Put the lid on one container. Using masking tape, label this container #1. Label the container without the lid container #2.
4. Put both of the containers on a windowsill or a covered porch. Make sure the containers are somewhere they won't get spilled.
5. You will need to check your containers **every day** for at least ten days, and observe any changes that occur. Use your **ruler** to **measure the water levels** (using **millimetres** is better than centimetres) on a daily basis and record your results on the chart provided on the next page.



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# Grade 2

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Uses current educational theory...  
information provided to engage pupil inquiry



### The Story of My Life *so far*



A time line is a kind of graph to show the story of a person's life.

Make a time line of your life, starting with the day of your birth.

Here's how to do it [Read all the instructions before starting]:

- 1) Tape or glue two or three pieces of paper together to make a long strip.
- 2) Make your timeline on this long strip of paper that you've made.

Year    20 ?       20 ?       20 ?       20 ?

Under the line, fill in the years of your life so far, with the events that happened during that year.

You could also show family celebrations, the birth dates of any sisters or brothers, holidays with your family, your first day at school...

Above the line, draw a picture of each event.

(Look at the next page to see an example of what a time line could look like.)

- 3) Tape or glue each end to an empty paper towel roll so that you have a scroll to tell the story.



If you want to, you could make your time line on two pages in your journal book, but then it wouldn't be a scroll (unless you made a whole new time line in your journal after you made your scroll).





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Kid-friendly... Colourful graphics

**What Am I?**

Remember all the **attributes** of shapes.  
Colour each shape the correct colour.

Circle - <b>Red</b>	Square - <b>Blue</b>
Oval - <b>Green</b>	Rectangle - <b>Purple</b>
Triangle - <b>Yellow</b>	Pentagon - <b>Orange</b>
Hexagon - <b>Brown</b>	Octagon - <b>Black</b>



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Kid-friendly... Guided practice

### More Fraction...

In these pictures, write the correct fraction that shows **what fraction of the pizza has pepperoni** on it. The bottom number tells us how many parts the whole is divided into. The top number tells us how many parts we have. *The first one is done for you.*

1.   
 $\frac{1}{2}$

2.

3.

4.

5.

6.

7.

8.



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Kid-friendly... confidence-building activities

## Senses all Around

We have 5 senses that allow us to enjoy things in life, and also protect us by warning us of danger or helping to keep us safe.

List the 5 senses and the body part(s) that we use for each sense.  
The first one has been done for you.

<u>Sense</u>	<u>Body Part</u>
1. Sight	Eyes
2. _____	_____
3. _____	_____
4. _____	_____
5. _____	_____



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Kid-friendly...

Challenging activities for inquisitive minds

### Riddles Anyone?


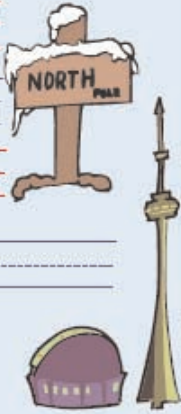

Write a riddle of your own about one or more of the following:  
The Southern Hemisphere, The North or South Poles, Canada or Ontario




Clue #1 \_\_\_\_\_  
Clue #2 \_\_\_\_\_  
Clue #3 \_\_\_\_\_  
What am I? \_\_\_\_\_  
Answer: \_\_\_\_\_

Write a riddle about the location of the city or town where you live.

Clue #1 \_\_\_\_\_  
Clue #2 \_\_\_\_\_  
Clue #3 \_\_\_\_\_  
What am I? \_\_\_\_\_  
Answer: \_\_\_\_\_



Read your riddles to someone to see if he or she can guess the answer.



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Kid-friendly... reasonable drills



### IT ALL ADDS UP

Before you try these questions, do the activities on pages 118-119 to remind you about place value.

Then use the addition facts you know and what you have learned about regrouping and place value to help you answer the questions. Use extra paper if you need it.

Answers are on page 120.

1.  $7 + 3 =$  \_\_\_\_\_ 2.  $9 + 6 =$  \_\_\_\_\_ 3.  $10 + 0 =$  \_\_\_\_\_

4.  $30 + 20 =$  \_\_\_\_\_ 5.  $48 + 34 =$  \_\_\_\_\_ 6.  $15 + 2 =$  \_\_\_\_\_

7.  $70 + 30 =$  \_\_\_\_\_ 8.  $6 + 12 =$  \_\_\_\_\_ 9.  $38 + 24 =$  \_\_\_\_\_

10.  $28 + 56 =$  \_\_\_\_\_ 11.  $67 + 33 =$  \_\_\_\_\_ 12.  $28 + 82 =$  \_\_\_\_\_

13.  $8 + 8 =$  \_\_\_\_\_ 14.  $29 + 71 =$  \_\_\_\_\_ 15.  $7 + 9 =$  \_\_\_\_\_



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Kid-friendly... Interesting activities

## Sometimes Our Senses Fool Us

Play this game with a friend:  
All you have to do is **say what colour each word is printed in.**  
Take turns trying.

ORANGE

RED

GREEN

BLUE

PURPLE

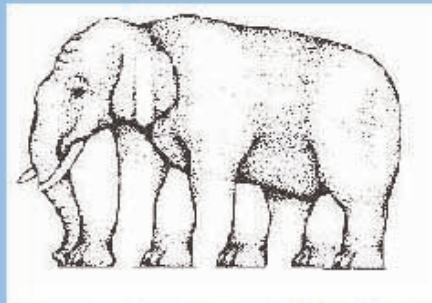
BLACK

GREEN

YELLOW

ORANGE

### Optical Illusion




How Many Legs on This Elephant?




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Parent-friendly... Encourages parent involvement



## How to Make a Bird Feeder




While some birds migrate south for the winter, others stay behind and must search for food.

This can be difficult when the ground is covered with snow, because there are no insects flying around, and the trees and bushes are bare.

People often help birds by putting out food for them in bird feeders.

**Here's how to make your own bird feeder.**




**Materials:**

- Milk or Juice carton
- Scissors
- String
- Sticks
- Bird seed or bread crumbs

**Directions:**

1. Cut a rectangle out of two of the sides of the milk carton, 2 cm above the bottom of the carton.
2. Make a small whole in the top of the carton and put a string through it.

... more on next page



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Parent-friendly... Family follow-up activities

## Follow-up fun

### Computer Connection



- [www.kidskconnect.com/Canada/Canada.html](http://www.kidskconnect.com/Canada/Canada.html)  
fast facts about Canada and links to many other sites
- [www.socialstudiesforkids.com/subjects/Canadaday.htm](http://www.socialstudiesforkids.com/subjects/Canadaday.htm)
- [www.kidscansave.gc.ca](http://www.kidscansave.gc.ca) Find out about saving money.
- [www.currencymuseum.ca/eng/learning/digit.php](http://www.currencymuseum.ca/eng/learning/digit.php)  
educational programs at the Canadian currency museum
- <http://www.collectionscanada.ca/2/3/index-a.html>  
Passageways: True Tales of Adventure for Young Explorers.  
Learn about the first explorers who came to Canada.

### Readers' Corner

- **The Kids Book of Canada**  
by Barbara Greenwood and Jock MacRae
- **What's It Like to Live in Canada?**  
by Catherine Little, et al
- **My First Pocket Guide: Canada**  
by Carole Marsh
- **O Canada: Our National Anthem**  
Northwind Press
- **Funny Money** by Lara Bergen, Bob Commander



### Field Trip and Extension Activities



- Visit your local library and look at books about Canada.
- Research the symbols on the Canadian coins.
- Begin collecting Canadian coins.
- Count the money in your own piggy bank.
- Make a Canadian Flag.
- Compare Canada's flag, money and symbols to those of other countries.





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Kid-friendly... activities for classroom sharing

### Create A Butterfly's Life Cycle Mobile

You learned about butterflies in Grade 1.  
In Grade 2 you will compare their life cycle to others.

#### Materials Required:

- scissors
- tape
- string
- markers
- white paper
- egg carton
- 2 pipe cleaners
- toilet paper roll
- paper coffee filter
- wooden clothes peg
- clothes hanger



#### Instructions:

1. Begin by cutting a small circular shape from the white paper to **create an egg**. Attach the egg to the left side of the clothes hanger, using string.
2. Then cut a strip of three sections from the egg carton. Turned upside down, this will be your caterpillar. **Colour the caterpillar** and make a face at one end. (The larva of a butterfly is called a caterpillar.)
3. Using the string, attach the caterpillar to your clothes hanger. Position the caterpillar to the right of the egg.
4. Take the toilet paper roll and wrap string around it. This will become the **pupa or chrysalis**. Using string, attach the chrysalis to the clothes hanger beside the caterpillar.

