

Grade 4 Overall Expectations

Overall Expectations	
Language	<p>Writing</p> <ul style="list-style-type: none"> ❖ Generate, gather, and organize ideas and information to write for an intended purpose and audience. ❖ Draft and revise their writing, using a variety of informational, literary, and graphic forms and stylistic elements appropriate for the purpose and audience.
Math	<p>Data Management and Probability</p> <ul style="list-style-type: none"> ❖ Predict the results of a simple probability experiment, then conduct the experiment and compare the prediction to the results.
Science	<p>Understanding Life Systems: Habitats and Communities</p> <ul style="list-style-type: none"> ❖ Investigate the interdependence of plants and animals within specific habitats and communities. ❖ Analyse the effects of human activities on habitats and communities.
Social Studies	<p>People and Environments: The Role of Government and Responsible Citizenship</p> <ul style="list-style-type: none"> ❖ Use the social studies inquiry process to investigate some issues and challenges associated with balancing human needs/wants and activities with environmental stewardship in one or more of the political and/or physical regions of Canada.

Humans are Shaped by their Environment

Materials: Students will need access to the following:

- ❖ A writing utensil (i.e. a pencil) and an eraser
- ❖ Five sheets of blank paper
- ❖ Colouring utensils (i.e. pencil crayons)

LANGUAGE



THINK

We all have a variety of skills and interests that are unique to us. What is important to you? What are your skills and interests? How are they shaped by your environment? What story do they tell about you?

On a sheet of paper, write or draw a reflection about yourself. You will be the only audience for this piece. You may revise and change your reflection at any time.



CREATE

Your reflection (writing or art) should include:

- ❖ 3 skills
- ❖ 3 interests
- ❖ 1 value
- ❖ 1 problem or issue related to the environment that you would like to address at school, in the community, or in the world.

SCIENCE



THINK

Do you know that most of your activities and interactions occur in your habitat*? Make a list, in your mind, of all the things you do on a normal day. What people, plants, animals, and items do you interact with?

On a sheet of blank paper, you will draw a map that reflects your habitat. Before you begin, make a list of all the people or things you will include and where you might put them on your map. Be sure to include the people, plants, animals, and items that live or function in your habitat. You can choose to make your map black and white or use colour and textures. Use symbols, images, and words. Be creative!

Your map should include:

- ❖ a title;
- ❖ (at least) 10 elements/items (people, animals, plants, fridge, tap, and others);
- ❖ a legend (an explanation of any symbols).



CREATE

Choose one necessity of life from your habitat (e.g. space, water, air, light) and explain, in writing (on the back of your map), what might happen if it no longer existed.

**A habitat is where a plant, animal, or human gets all that they need to satisfy their basic survival needs (e.g. food, water, and shelter).*

Humans are Shaped by their Environment

MATHEMATICS



CONSIDER

Probability is about how likely an event is to occur. For example, how likely is it that a giraffe will knock at your door?

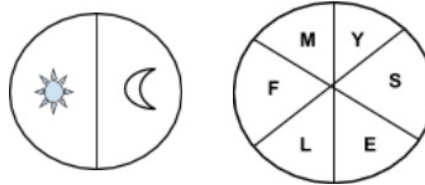
- ❖ Impossible=Will definitely NOT happen
- ❖ Unlikely= Most likely won't happen
- ❖ Equally Likely= even chance of happening or not happening
- ❖ Likely= Most likely will happen
- ❖ Certain= Will definitely happen



ACT

Look at the spinner on the left. There is an equally likely chance that you will spin a moon which is 1 out of 2 chances. If you spin the spinner 10 times, you have a 5 out of 10 chance.

Look at the spinner on the right. If you spin the spinner 6 times, what is the probability that you will land on the letter "E"? What if you spin 18 times? How many times would you expect it to land on a consonant in 12 spins? Explain your thinking. Create a question based on the spinner for someone else to do?



SOCIAL STUDIES



THINK

- ❖ Identify an environmental issue within Toronto you are passionate about.



CREATE

Using a KWL Chart, describe the different components of the environmental issue:

- ❖ What do you know (K) about the environmental issue?
- ❖ What do you want to know (W) about the environmental issue (what questions are you wondering about?)?

Leave what you learned (L) empty for now.



ACT

Find two sources (website, newspaper, magazine, audio recording, letter, video, etc.) that discuss the environmental issue you are exploring. What are the similarities and differences from the perspectives highlighted in the sources? Write about:

- ❖ Who produced the source ?
- ❖ What are the main ideas?
- ❖ How do the author(s) support their main ideas (evidence)?
- ❖ Write some of your new learnings in the what you learned (L) section of your KWL chart.