

Grade 5 Overall Expectations

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| Language | <p>Oral communication</p> <ul style="list-style-type: none">❖ use speaking skills and strategies appropriately to communicate with different audiences for a variety of purposes. <p>Reading</p> <ul style="list-style-type: none">❖ read and demonstrate an understanding of a variety of literary and informational texts, using a range of strategies to construct meaning❖ use knowledge of words and cueing systems to read fluently. <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.❖ use editing, proofreading, and publishing skills and strategies, and knowledge of language conventions, to correct errors, refine expression, and present their work effectively. <p>Media</p> <ul style="list-style-type: none">❖ create a variety of media texts for different purposes and audiences, using appropriate forms, conventions, and techniques. |
| Math | <p>Number Sense and Numeration</p> <ul style="list-style-type: none">❖ solve problems involving the multiplication of multi-digit whole numbers, and involving the addition and subtraction, using a variety of strategies.❖ demonstrate an understanding of proportional reasoning by investigating whole-number rate.❖ read, represent, compare, and order whole numbers to 100 000. <p>Geometry</p> <ul style="list-style-type: none">❖ identify and classify two-dimensional shapes by angle properties. <p>Patterning</p> <ul style="list-style-type: none">❖ determine, through investigation using a table of values, relationships in growing patterns. <p>Data Management and Probability</p> <ul style="list-style-type: none">❖ collect and organize discrete or continuous primary data and secondary data and display the data using charts and graphs.❖ read, describe, and interpret primary data and secondary data presented in charts and graphs. |

Grade 5 Overall Expectations

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|-----------------------|---|
| Science | <p>Understanding Life Systems: Human Organ Systems</p> <ul style="list-style-type: none">❖ investigate the structure and function of the major organs of various human body systems.❖ demonstrate an understanding of the structure and function of human body systems and interactions within and between systems. <p>Understanding Structures and Mechanisms: Forces Acting on Structures and Mechanisms</p> <ul style="list-style-type: none">❖ analyse social and environmental impacts of forces acting on structures and mechanisms.❖ investigate forces that act on structures and mechanisms. <p>Understanding Matter and Energy: Properties of and changes in matter</p> <ul style="list-style-type: none">❖ evaluate the social and environmental impacts of processes used to make everyday products. <p>Understanding Earth and Space Systems: Conservation of energy and resources</p> <ul style="list-style-type: none">❖ analyse the immediate and long-term effects of energy and resource use on society and the environment, and evaluate options for conserving energy and resources.❖ investigate energy transformation and conservation |
| Social Studies | <p>People and Environments: The Role of Government and Responsible Citizenship</p> <ul style="list-style-type: none">❖ demonstrate an understanding of the roles and key responsibilities of citizens and of the different levels of government in Canada.❖ assess responses of governments in Canada to some significant issues.❖ investigate Canadian social and/or environmental issues from various perspectives. |

Materials: Students will need access to the following:

- ❖ A writing utensil (i.e. a pencil) and an eraser
- ❖ Dish soap or liquid soap
- ❖ Three sheets of blank paper
- ❖ Plastic water bottle

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LANGUAGE



THINK

What does the word "S/Hero" mean to you? Who are the "S/heroes" in your life?



READ

"Attawapiskat Youth Turned into a Real Life Superhero by DC" (p.5)

The UN Convention on The Rights of a Child, outlines the rights that every child has when you are born up until the age of 18. Some of these rights include the right to play, the right to food and clothing as well as the right to education.

Short Answer (complete paragraphs):



WRITE

- ❖ Shannen had a vision that all Indigenous children had access to education. What is your vision for children? What is a right that you think all children should have?
- ❖ When you think of people on TV, superheroes in comic books, faces in magazines, who do you picture? Why is it important to see ourselves reflected in the books we read, in the media, etc. Do you see yourself...? How does this make you feel?
- ❖ Do you think we should only use the word "Hero" instead of "S/Hero"? Why or why not?

SOCIAL STUDIES



READ

- ❖ Read "Who is Sarain Fox?" (p. 5)



THINK

Sarain Fox has met with Prime Minister Justin Trudeau to discuss environmental issues and the true history of Indigenous peoples within Canada. In 2015, the Truth and Reconciliation Commission recommended that Canada become a steward (taking care of something) for the environment, including protecting Canada's natural resources.

- ❖ How can you be a steward of the land? What actions can you take to protect the environment, including the animals we share the land with?



WRITE

- ❖ Write an announcement for your school assembly convincing the students to protect the environment.
- ❖ Who is your audience? What is your message? What do you want the students to do?

Adapted from, Horn-Miller, Waneek. Waneek's Modern Warriors: Sarain Fox. Working It Out Together.(2020). Retrieved from <http://workingitouttogether.com/content/sarain-fox/>. Accessed May 19, 2020.

Adapted from, Truth and Reconciliation Commission Recommends Environmental Stewardship and Protection of our Natural Resources. Anishinabek News: The Voice of the Anishinabek Nation. (2015). Retrieved from <http://anishinabeknews.ca/2015/12/20/truth-and-reconciliation-commission-recommends-environmental-stewardship-and-protection-of-our-natural-resources/>. Accessed May 19, 2020.

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SCIENCE

Before reading the text, list some facts you know about tornadoes.



READ

- ❖ Read "Natural Phenomena: Tornadoes" (p.6).



THINK

- ❖ Think about what you learned from the reading.

Try This: (get permission from an adult)

- ❖ You are going to create a "Mini Tornado in a Bottle".
- ❖ You will need: plastic bottle with a lid (water bottle, pop bottle, juice bottle), water and dish washing liquid or liquid soap.



ACT

Steps:

- ❖ Step 1: Fill just over half of your plastic water bottle with water
- ❖ Step 2: Add a few drops of soap
- ❖ Step 3: Put on the cap (make sure it is tight)
- ❖ Step 4: Hold the neck of the bottle, flip upside down. Spin the bottle in circles for around a minute. Do you see the mini tornado in the water? You might need to try it a few times.

MATHEMATICS

Answer the questions below on a sheet of paper.



ACT

| Date | 2019 | 2020 |
|------|------|------|
| 1 | 3 | 9 |
| 2 | 7 | 14 |
| 3 | 7 | 12 |
| 4 | 4 | 10 |
| 5 | 3 | 11 |
| 6 | 11 | 12 |
| 7 | 9 | 12 |
| 8 | 16 | 15 |
| 9 | 11 | 10 |
| 10 | 6 | 8 |

1. Look at the data. What do you notice? What trends do you see?
2. What do you think the next 20 days (for each year) might look like based on the data on the chart? Explain.
3. Calculate the mean (average) temperature for each year. To calculate the mean, add up all of the numbers for one year, then divide by how many numbers you added up (10).
4. Create a graph to display the data from the chart. What kind of graph would you create? Why? How does graphing the data help you to see the patterns and trends in the data?

Retrieved from Canada Weather: Toronto, Ontario. AccuWeather. (2020) <https://www.accuweather.com/en/ca/toronto/m5h/april-weather/55488?year=2019> Access on May 15, 2020.

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Attawapiskat Youth Turned into a Real Life Superhero by DC

Shannen Koostachin was a teenager in Northern Ontario, Attawapiskat, who had a vision. She wished that all Indigenous children had access to proper education like every other student in Canada. Shannen was hopeful that Indigenous students would be able to learn about and celebrate their language and culture while in a safe school environment. To this day, in some Indigenous communities, there are no highschools. This means students have to leave their homes and live with strangers in a new city in order to attend highschool.

In 2009, when Shannen was 14 she was recognized as an activist and nominated for the International Children's Peace Prize. Sadly, Shannen passed away at age 15 before her dream of equal education for Indigenous students could be fulfilled. DC Comics Justice League learned about her activism work and created a Hero in her honour in 2014. They called the Superhero "Equinox." The hero Equinox is about a 16 year old Cree girl from Moose Factory, Ontario, named Miiyahbin Martin. Equinox was gifted with super powers that come from the Earth and follow the 7 Grandfather teachings. Her powers change just like the seasons do. For example, when it is windy she can use environmental energy in the air to take flight.

Adapted from, Shannen Koostachin. (2008). Retrieved from http://www.californiaindianeducation.org/famous_indians/shannen_koostachin/. Accessed May 15, 2020.

Adapted from, Equinox, new Cree teen superhero, joins DC Comics lineup. CBC. (2014). Retrieved from <https://www.cbc.ca/news/entertainment/equinox-new-cree-teen-superhero-joins-dc-comics-lineup-1.2588623> Accessed May 15, 2020.

"Who is Sarain Fox?"

Sarain Fox is an Anishinaabe woman who was born on the Batchewana Reserve, near Sault Ste Marie, but now resides (lives) in Toronto. She is 32 years old. Sarain is an advocate for Indigenous rights, a dancer, storyteller, a television host for Future History on APTN and RISE on Viceland. When she is not advocating for the environment, she is an ambassador (a representative) for Canada Goose, Harley Davidson, Sephora, Manitobah Mukluks and Centre for Biodiversity, to name a few.

Sarain works hard for reconciliation, which is fusing reconciliation and action together. (Reconciliation: discovering and revealing past wrongdoing by a government in the hope of resolving conflict left over from the past.) Sarain is a leader who is helping to heal the relationship between Canada and Indigenous peoples through decolonization (shifting the way Indigenous peoples view themselves and the way non-Indigenous people view Indigenous peoples) and cultural revitalization (renew, new life). Saving and learning the Ojibwe language is an example of cultural revitalization in Canada.

Sarain's favourite quote is: "You were given two ears and two eyes, but only one mouth. So listen and watch, twice as much as you speak." What does this quote mean to you?

Adapted from, Sarain Fox. (2020). Retrieved from, <https://www.sarainfox.com/>. Accessed May 19, 2020.

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Natural Phenomena: Tornadoes

A tornado (also known as a twister) is a type of storm in which powerful rotating winds form a column, which reaches from a cloud down toward the ground. The winds of a tornado are the strongest on Earth. They may reach speeds of up to 500 kilometers per hour. Such violent winds can flatten buildings and whip heavy objects, such as cars, into the air. However, most tornadoes are short-lived and do not cause much damage considering what they are capable of doing.

Tornadoes usually develop during thunderstorms, mainly in the spring and summer. However, only a small portion of thunderstorms produce tornadoes.

Adapted from, Tornado. (2020). In Encyclopædia Britannica. Retrieved from <https://school.eb.com/levels/middle/article/tornado/399626>.

Accessed May 15, 2020