

Grade 5 Overall Expectations

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.

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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.

Stand Up and Speak Out Against Injustices!

Materials: Students will need access to the following:

- ❖ A writing utensil (i.e. a pencil) and an eraser
- ❖ Three sheets of blank paper

LANGUAGE



READ

Read, "Superheroes & Real Life Heroes" (p.5). Circle new vocabulary.



THINK

Character traits are words used to describe a person's value. You often learn about a person's character trait when you see how they interact in the world and with others, for example kindness, fairness and patience.

- ❖ Have you learned about, or know someone, who stands up for a human right or an injustice? Do you think this person is a hero? Why?



WRITE

Short Answer (complete paragraphs):

- ❖ What words can you use to describe this person's character traits? Make a list of the character traits. Choose 2 of these traits and explain your answer using examples.
- ❖ What are two positive characteristics you would use to describe yourself? Use examples to support your answer.

SCIENCE



READ

You read about one superhero who knew that it was important to protect his heart. Let's learn about the heart.
Read "Human Organ Systems: The Heart" (p.6). Underline new information that helps you understand the function of the heart.



REFLECT

How does this text support you in understanding the function of the resting heart beat?



ACT

You will need something or someone to tell time (to a minute or 30 seconds).

Step 1: Relax for a few moments.
Step 2: Place 2 fingers on the inside of your wrist. Press lightly, you should feel a beat (this is every pump of your heart).
Step 3: Start counting the pulse for 1 minute. If you counted for 30 seconds, multiply the number by 2 to get a minute. That is your resting heart rate.

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SOCIAL STUDIES

Right to Vote & Indigenous Peoples

Although Canadians had the right to vote in Canada, Indigenous peoples were not granted that right until 1960 despite the fact that they were on the land first. If Indigenous peoples wanted to vote in Canada, prior to 1960, they had to give up their treaty rights. Many Indigenous Peoples in Canada did not gain Canadian Citizenship until 1956.

Leslie, John F. (2016). Indigenous Suffrage. The Canadian Encyclopedia. Retrieved from <https://www.thecanadianencyclopedia.ca/en/article/indigenous-suffrage>. Accessed May 19, 2020.



WRITE

Short Answer:

- ❖ In your opinion, was this fair treatment of Indigenous peoples in Canada? Why or why not? Explain using examples from the text to support your answer.
- ❖ How can Canada and Indigenous peoples continue to strengthen their relationship? Give specific examples.

MATHEMATICS

Did you know that the heart muscle beats an average of 70 times per minute? Heart rates can be different based on foods eaten, weight, age, etc.



ACT

Compare: What was your resting heart rate? Was it similar or different to the average heart rate? Explain.

Use Mental Math: A heart muscle beats an average of 70 times per minute. How many times would it beat in 16 minutes? Solve. Show your thinking.

Calculate: Use your resting heart rate for the science activity. How many times would your heart beat in 23 minutes? 48 minutes? How do you know? Show your thinking.

Stand Up and Speak Out Against Injustices!

Superheroes & Real-Life heroes

Many of us can name at least one superhero. There are superheroes who have superhuman abilities, such as invisibility, strength, speed or intelligence. These heroes fight everyday to make the world a better place for everyone. But have you ever wondered why so many people look up to comic book heroes? What do these superheroes do to make the world a better place?

In the real world, there are many people that could be considered superheroes. Although they might not have superpowers like our favourite comic book heroes (those superpowers are not real), they do find ways to help others fight against **injustices**; just like the comic book superheroes that we read about or watch on the big screen. So, what is an injustice? An injustice is when someone unfairly denies someone else's **RIGHTS**.

Every human being on earth has **RIGHTS** regardless of your background or personal circumstances! These rights can be divided into **HUMAN RIGHTS** and **CIVIL RIGHTS**. What are **HUMAN RIGHTS**? In Canada, **HUMAN RIGHTS** mean that every Canadian is guaranteed equal treatment under the law. For instance, as a Canadian you have the right to live as a free person, the right to have shelter and food, and the right not to be mistreated. These **RIGHTS** belong to **YOU** and **I** because **WE** are human. **CIVIL RIGHTS** are **RIGHTS** that protect citizens. For example, governments may decide who can vote, who can buy property, or who can be educated and how they are educated..

As Canadians, we have many rights and responsibilities, some of which include the right to vote, the right to feel safe, and the responsibility to respect the rights and freedoms of others.

Sometimes these **RIGHTS** are not given to people who look or sound different than the people in power and this is not fair (unjust). Heroes like Viola Desmond showed Canadians and people around the world that you can stand up and speak out against injustices.

Adapted from, Civil rights. (2020). In Encyclopædia Britannica. Retrieved from <https://school.eb.com/levels/elementary/article/civil-rights/352966>. Accessed May 19, 2020.

Superhero Connection

Iron Man from Marvel is a superhero who works with a team to help protect the citizens and make the world a better place. Did you know that Ironman can never remove the chest plate that keeps him alive? It's there to protect his heart.

Adapted from, Iron Man. (2020). In Encyclopædia Britannica. Retrieved from <https://school.eb.com/levels/middle/article/Iron-Man/605843>. Accessed May 15, 2020.

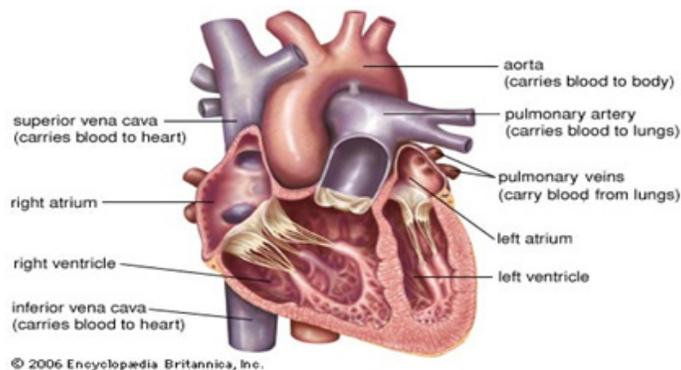
Stand Up and Speak Out Against Injustices!

Human Organ Systems: The Heart

Humans and many other animals depend on blood flowing through their bodies to keep them alive. The blood circulates through a system called the cardiovascular system. This system includes the heart and a network of blood vessels.

The human heart is a pear-shaped organ about the size of a fist. It is made up of a special type of muscle called cardiac muscle. The heart acts as a pump to push the blood throughout the body. It is a very strong muscle that pumps blood by squeezing and relaxing in a regular rhythm called a heartbeat. More than 3.8 liters of blood passes through the heart every minute.

The human heart is divided into right and left halves. Each half is divided into two hollow sections called **chambers**. These upper chambers are called **atria**. Each of these chambers is called an **atrium**. The lower chambers are called ventricles. Blood from the body flows into the right atrium and the left ventricle pumps the blood throughout the body.



Adapted from, Heart. (2020). In Encyclopædia Britannica. Retrieved from <https://school.eb.com/levels/elementary/article/heart/353235>. Accessed May 15, 2020.

Heart: human heart. [Image]. In Encyclopædia Britannica. Retrieved from <https://school.eb.com/levels/elementary/assembly/view/88953>. Accessed May 15, 2020.