

Grade 5

Looking inside the body

Students will experience the ways in which research labs and hospitals look inside the body to understand health and disease.

BIOLab Experiences Assemble a model of a skeleton, assemble MRI and CT scan puzzles, look at tissues and live cells through microscopes, see and touch animal pig hearts, lungs and brains.

Time required
Half day (2h)

Grade 5 students are capable of asking sophisticated scientific questions, and their curiosity is always evident in the Maintaining a Healthy Body cluster of the grade 5 science curriculum. Grade 5 students want to know how the body works; this is the same question that all of our scientists begin with, whether they are studying heart disease, brain diseases, foods or medicine.

Specific Learning Outcomes Addressed

What students will experience in the BIOLab

5-1-01	Use appropriate vocabulary related to their investigations of human health.	MRI image puzzles and a patient case, meet scientists
5-1-06	Identify the major components of the digestive system, and describe its role in the human body.	See and touch the esophagus from a sample of pig organs
5-1-07	Identify the major components of the skeletal, muscular, and nervous systems, and describe the role of each system in the human body.	Identify bones in a disassembled model of a human skeleton and assemble the model together; examine and touch a sheep brain; view brain tissue through microscopes.
5-1-10	Identify the major components of the respiratory and circulatory systems, and describe the role of each system in the human body.	See and touch the heart and lungs from a sample of pig organs, examine heart cells and tissues through microscopes.
5-1-12	Give examples of how systems of the human body work together.	Examine pig organs to see the connections between the cardiovascular and respiratory systems.
5-1-13	Identify and describe factors necessary to maintain a healthy body.	Examine a patient case related to activities and identify risk factors for disease.
5-1-15	Explain how human health may be affected by lifestyle choices and natural- and human-caused environmental factors.	Compare healthy and diseased tissues in a variety of ways with reference to a patient



Hôpital St-Boniface Hospital

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