

Chaperone Guide



For Chaperones of Visitors Ages 5 and Under

This guide will help you to enhance young visitors' experiences during their visit to the Canada Science and Technology Museum.

Reminder: Children under 12 must be accompanied by an adult at all times.

Tips for Chaperones

- We appreciate that chaperones play an essential role in ensuring that young visitors have a positive experience.
- Remember that it's not special knowledge that makes a great chaperone, it's just a willingness to get involved!
- Please keep your group together during your museum visit and remain with them at all times.
- Ensure everyone behaves in a safe manner and respects other visitors. This means no running or yelling.
- Try to make your visit unique by sharing stories or asking your own open-ended questions.
- Feel free to share your own thoughts and opinions on the concepts that you encounter in the exhibits.
- Don't forget that the museum guides are on hand to help! Encourage your party to ask them any specific questions they may have.
- Help the group find answers to their own questions by looking at the exhibits together and reading the panels with them.

Using this guide

- Remember: Our suggested questions are meant to encourage young visitors to reflect on and discuss what they are experiencing, rather than to test their knowledge.
- As you explore the museum:
 - Invite them to notice their surroundings.
 - Invite them to ask questions and use their imagination.
 - Encourage them to read directions and other posted information.

What do you see/hear/feel?
What do you think this does?

What does this make you wonder?
Does this remind you of something you use in your daily life?

What do you think this means? How do you think this works? Can you read this to me?

- Use the questions below to open up a conversation and get your party thinking. Make sure they know that there are no right or wrong answers!

Exhibit: Artifact Alley

<i>Brand Canada</i>	<i>Look up!</i> Have you seen or been in any of these boats? In which seasons can we use them? Why can't we use them all year?
<i>Winter</i>	Would you like to have your own snowmobile? Where would you ride it? <i>Step into the icy alcove.</i> What do you hear? What do you see? Are there any trees here? Why? How do you think the water would feel? Why do you think that? Can you find the seal in the ice? What other animals live in the Arctic?
<i>Science Fiction</i>	When in space, astronauts eat dried food. If you were in space, what food would you like to eat?

Exhibit: Into the Great Outdoors

<i>Enjoying Winter</i>	<i>Try out the snowshoe interactive.</i> Are the three snowshoes different or the same? Which kind of snowshoe sank the deepest? Which of the snowshoes do you think works best? What else is there that, like a snowshoe, stops you from sinking into the snow? Which is your favourite snowmobile? Why?
<i>Freedom on Two Wheels</i>	Do you have a tricycle or a bicycle? Do you ride your bike often? Do you see a bicycle on display that looks like yours? Would you be able to ride your bike today? Which are the best seasons for bike riding? Can you find a bicycle without pedals? Which bicycle on display looks most like the bikes we see today? What differences can you see between the earliest bicycles we see here and the bike you have at home? Which bicycle do you think would be the fastest or the most fun to ride?
<i>Pathways to Adventure</i>	Do you and your family like to go camping? What kind of shelter do you use? How is it different from the shelters on display here? Would you have fun in the CabinCar Trailer? Does it look comfy inside?

Exhibit: Steam: A World in Motion

<i>Locomotives</i>	<p>How do you think the steam locomotives work? Why do you think the locomotives are so large?</p> <p><i>Touch the wheels of the locomotive.</i> Do they feel like the wheels on your bicycle? What's similar or different?</p> <p><i>Stand in front of one of them.</i> Are they much bigger than you?</p> <p>Imagine being the conductor on one of these locomotives. How do you think you would feel?</p> <p>Which is your favourite locomotive? Why do you think there are different models of trains?</p> <p>Pretend that it's a hundred years ago and you work for the Canadian National or the Canadian Pacific railway. Which job would you like to have? Why?</p>
<i>Starting Over</i>	<p>Look at the size of the trunks that people used when moving to a new city. What would you put in your trunk if it was all you could take with you? What do you think families put in their trunks a hundred years ago?</p>

Exhibit: Sound by Design

<i>Seeing Sound</i>	<p>How do you listen to music? What kind of music do you like?</p> <p><i>Find the telephone display.</i> All these telephones have been created and used in different time periods. If you had to pick one of them to use at home, which one would it be?</p>
<i>Soundscape Design</i>	<p>Where are the sounds coming from? Can you identify three of the sounds you hear?</p> <p>Just as people have favourite colours or foods, they can also have favourite sounds. What sounds do you like to listen to? <i>For example: birds chirping, the sound of rain, music, etc.</i></p>
<i>Making Silence</i>	<p><i>Go inside the Quiet Cube.</i> Does it feel different in here? How do your ears feel?</p> <p>What happens if you clap in here? Why can't you hear an echo?</p> <p>Have you ever been anywhere this quiet? Where? How is this different?</p>
<i>Electronic Instruments</i>	<p><i>Try to play the theremin.</i> What do those sounds make you think of?</p>

Exhibit: From Earth to Us

<i>Steel</i>	<i>Find the deconstructed Smart Car.</i> Which parts of this car can you identify?
<i>Energy</i>	Which household item uses the most energy? The least? Why do you think that? Do you think you use a lot of energy at home? How could you use less? Why might it be important for us to use less?
<i>Materials</i>	<i>Find the Dollhouse Teardown display.</i> Can you identify 10 toys, characters or other things that you recognize inside the dollhouse? Which cartoons or movies do you like? Do you see any characters you recognize here? Why do people make toys? Do you have a favourite toy? Why are so many toys made of plastic? Can other materials be used to make toys?

Exhibit: Medical Sensations

<i>Touch</i>	<i>Find the wall of 3D printed organs.</i> You have all of these organs inside your body. Do you recognize any of them? Do you know where they are in your body? Do you know what they do for your body?
<i>Sound</i>	What do doctors do? Have you ever wondered how it feels to be a doctor? <i>Find the stethoscope display.</i> Doctors and nurses use these to listen to a patient's heart. Do you know where else on your body you can feel your pulse/heartbeat? <i>Find the Sounds of Different Coughs interactive.</i> Have you ever experienced a cough like any of these? What happened? Did it hurt/was it uncomfortable?
<i>Sight</i>	<i>Find the Body Systems interactive.</i> Make your skeleton perform your favourite dance move!
<i>Crazy Kitchen +</i>	Does the kitchen feel like it's level? Does it look level? What's happening? Have you experienced a sensation like this before? How? When?

Exhibit: Hidden Worlds

<i>How Many YOUs?</i>	How many ants/snowflakes/hockey pucks tall are you?
<i>Deep Sea</i>	Find the <i>Getting a Feel for Scale</i> tactile interactive. The Mariana Trench is the deepest part of the ocean, and most of the ocean has yet to be discovered. What do you think we will find when we learn more about the ocean?
<i>Microscopes</i>	<p>Did you know that there were this many types of microscope/telescope? Why are there so many?</p> <p>All of these tools are used to look at things that are incredibly small. If you could magnify <i>anything</i>, what would you want to see up close?</p> <p>Look carefully at the collection of microscope slides. Which is the strangest slide you can find? Why do you think scientists might have wanted to look at it through a microscope?</p> <p>What's the smallest animal you've ever seen?</p>

Exhibit: Wearable Tech

<i>Body Shop</i>	<i>Find the display of Alleles Prosthetic Covers.</i> These are used to cover prosthetic legs while complementing the wearer's personal taste and individual style. How would you design your prosthetic cover? What colours/pictures would you use?
<i>Suit Yourself</i>	<p><i>Find the big orange Newtsuit.</i> How would this suit feel to touch? How would it feel to wear it? Do you think you could swim wearing this suit?</p> <p><i>Find the gloves/mittens display.</i> Which gloves would you pick for a cold winter's day?</p>

Exhibit: Technology in Our Lives

<i>Weight of Our Stuff</i>	<i>Find the Hot Diggity Dogger.</i> This machine's sole purpose is to make hot dogs and toast buns at the same time. If you could create a machine to make your favourite meal, what would it be and how would it work?
<i>Heart of the Home</i>	<p>How did these refrigerators change over time? Why do you think they changed?</p> <p><i>Find the kitchen gadgets display.</i> Have you or has anyone in your family ever used any of these tools? Do any of them remind you of something you have in your kitchen at home?</p>
<i>Tiny House</i>	<p>Can you imagine living in a tiny house? How would you set it up?</p> <p>Is this space bigger or smaller than where you live? What do you like about this house?</p> <p>Have you ever seen a composting toilet? Where do you think a composting toilet would be most useful? Can you imagine having one in your home?</p>