

Mission: Protect our oceans

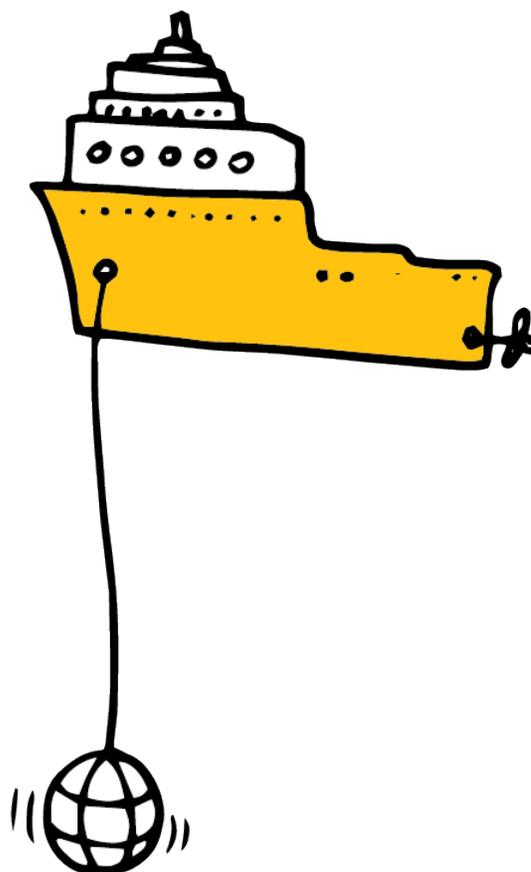
Mini-challenge project



The aim of the Little Inventors Protect our oceans mini-challenges is to allow Canadian kids aged between 5 and 15 years old to express the far reaches of their imagination and to inspire them to think up and draw original, ingenious, funny, fantastic or perfectly practical invention ideas. There are no limits!

The Mission: Protect our oceans offers a creative approach to learning about the oceans and issues that affect us all: the environment, the impacts of climate change, and our future.

This guide is intended to provide help to little inventors' parents, teachers or friends to accompany them in becoming ocean scientists for a day.



nserc.littleinventors.org

1. Learn about the mini challenge project

Mission: Protect our Oceans—Mini challenge project consists of six ocean-themed mini challenges designed to be done as a quick and fun activity at home or at school. In the classroom, they can be used as a series of complete activities related to our ocean's health. We encourage children to participate in all six mini challenges!

- Teachers may run this as a workshop or as a class activity. Parents can use it as a fun family pastime!
- A full resource pack is associated to each mini challenge, check them out for more information and facts about our oceans.
 - » Each resource pack counts with a guide that suggests how you might want to use the additional Little Inventors resources to help the children learn more about our oceans.
 - » Check out the associated PowerPoint presentation with even more information.
 - » Customizable and extended activities are also provided to enable all kids to make the most of the activity.
 - » Use the activity sheets to help with idea generation. These can be used as starters for a lesson or as a homework project.
- A bulk upload tool is available if you are uploading more than ten inventions, please contact hello@littleinventors.org for further details.
- Please, also read the [Terms and Conditions](#) of the mini challenges carefully



2. Read and download the resource packages

Mini challenges and associated resources:

1. Reduce Ocean Temperature challenge

- Animation
- Drawing sheet
- The Arctic Ocean Resource pack:
 - Workshop guide
 - Powerpoint presentation
 - Time to reflect extension activity

[Click here to download the pack](#)

2. Stop Plastics challenge

- Animation
- Drawing sheet
- The Plastic Problem Resource pack:
 - Workshop guide
 - Powerpoint presentation
 - Your Day in Plastic activity sheet



[Click here to download the pack](#)

3. Endangered Species challenge

- Animation
- Drawing sheet
- Mission: Protect our Oceans Resource pack:
 - Workshop guide
 - Mission: Protect our Oceans presentation
 - Ocean Profiler activity sheet

[Click here to download the pack](#)

4. Reduce Noise challenge

- Animation
- Drawing sheet
- Ocean Pollution Resource pack:
 - Workshop guide
 - Powerpoint presentation
 - A Quiet Ocean activity sheet

[Click here to download the pack](#)

5. Climate Change challenge

- Animation
- Drawing sheet
 - Ocean = carbon eater presentation
 - Take a deep breath activity sheet

[Click here to download the pack](#)

6. Clean Oil Spills challenge

- Animation
- Drawing sheet
- Ocean Pollution Resource pack:
 - Workshop guide
 - Ocean Pollution Powerpoint presentation
 - Travelling Without a Trace activity sheet

[Click here to download the pack](#)

3. Get the kids ready to become ocean scientists for a day

Use the resources to teach them about our ocean's health, the impacts of climate change and our future with the oceans. Watch the mini challenge animation so that they can come up with an invention idea that could improve our ocean's health.

4. Have the kids take on the mini challenges

- Use the challenge drawing sheet to have the kids sketch their invention idea to protect our oceans!
- Once they're finished, scan or use a phone to take a photo of the drawing sheet provided and upload the image to our [page](#).
- Submit the drawing with the idea to enter the challenge!

Each invention uploaded will appear on the nserc.littleinventors.org website and receive individual feedback from the Little Inventors team.

The challenge is open until **March 26, 2022 at midnight Pacific Time!**

The winners will see their inventions brought to life by professional animators to be shown at [Science Odyssey 2022](#) or work with the [Canadian Science Fair Journal](#) to publish an article on their idea.

