

## THE CHALLENGE:



A habitat is the natural home or environment of an animal, plant, or other organism. Deserts, oceans, mountains, and forests are some types of habitats. Many are threatened by climate change and human activity.

Your challenge is to measure out 1 square meter of land of your choice and observe the biodiversity you see in just this small chunk of Earth. The lawn, the garden, in the woods, shaded or sun-kissed. Record your findings in your journal.

~ STEAM TEAM ~  
Create, Test, Improve

## Learning Activities

### Language Arts/Social Studies:

There are habitats all around us which are part of your physical environment in your local area.

Study the photo below and relate it the physical environment in your local area; Miramichi River, Nepisiguit River, Restigouche River, or Kedgwick River.

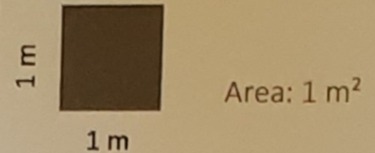


Use the graphic organizer to help relate the interaction of humans and the environment.

Interactions of Humans and the Environment	
Benefits to Humans	
Challenges to Humans	
Human Impact	
Sustainable Practices	

### Numeracy:

One square meter is the area equal to a square that is 1 meter on each side. Area is the space inside a shape



If you wanted to use rope to make your 1 m<sup>2</sup> shape, how much rope would you need for the perimeter?

Click on the photo to learn more about area perimeter.



**Science:** After you have carefully observed your square meter of habitat, draw a table to organize your observations. How many different species of living things did you see? How many of each? What did they look like? (write or draw what you observed) What was their habitat like? Be descriptive and use all your senses safely!

What's your favorite animal? Can you design an ethical zoo? Check out this challenge from Brilliant Labs!

### The Arts:

Edible Art! Put on your chef's hat and try creating a snack that is ALMOST too beautiful to eat! Bonus points if it's all healthy! Check out Canada's food guide [here](#) for more information on healthy foods.



## Habitat Search

S D N A L S S A R G	Coral	Tundra
E L G N U J F E E R	Reef	Grasslands
T U N D R A P O O L	Tidal	Jungle
U O V G D E S E R T	Pool	Desert
T I D A L L A R O C		