## NAME <br> $\square$ <br> MEASUREMENT AND MODELS

## Museum Exploration Guide

## INSTRUCTIONS

When printing, make sure to check the "actual size" option in the printer's dialogue box. Cut pages, assemlbe in numberical order and staple to form a booklet.
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## CM

## Measuring Size

Measure another object that is much smaller than the first thing you measured.

| WHAT DID YOU MEASURE? |
| :--- |
|  |
|  |

> Why do you think the second object is smaller?
$\qquad$
HOW LONG IS IT IN CENTIMETERS (CM)?
$\qquad$
$\qquad$

## Small Models

Because size and movement can sometimes be hard to see or describe to others, scientists and engineers often use models.

For example, if you want to show something that is too small to see with just your eyes, you could use a larger model instead.

Find a model in the Museum that shows something that is normally very small.

## WHAT DID YOU FIND?

Why do you think a model was used instead of the object at its real size?

## Draw a Model



## Large Models

Models can also be used to show very large objects at a smaller size, such as, a volcano or a very tall building.

Find a model in the Museum that shows something that is normally very large.

## WHAT DID YOU FIND?

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Why do you think a model was used instead of the object at its real size?
$\qquad$
$\qquad$
$\qquad$

## Models

Models are also used to show how something works.
For example, a diagram of a plant can show what it needs to grow and what it makes or releases.

Find a model in the
Museum that shows
how something
works.

WHAT DID YOU FIND?

Draw your own model of how you think something works. It can be anything! use your imagination.

