

## Teachers' Circle Lesson Plan Template

Name: Lexi Moore  
Subject area: Science  
Grade level: Elementary  
Lesson title: Simple Machines Hunt

### Brief summary/lesson plan description

Students will use their knowledge of simple machines to find items at the museum that use or are made of simple machines.

### Prior Knowledge (What do the students need to know before they come to make this lesson meaningful?)

Some prior knowledge of simple machines is helpful but not necessary. This fieldtrip can be a starting point for your lessons or a culmination of the idea.

### Common Core or State Standards Addressed

ENGLISH STANDARDS – fourth grade  
Write informative/explanatory texts to examine a topic and convey ideas and information clearly. Write narratives to develop real or imagined experiences or events using effective technique, descriptive details, and clear event sequences  
Recall relevant information from experiences or gather relevant information from print and digital sources; summarize or paraphrase information in notes and finished work, and provide a list of sources.

### Lesson objectives (Students will understand...)

Students will find and draw a picture of three simple machines.

### Essential Questions to guide this unit/lesson and focus teaching and learning:

What is the machine and how is it being used.

### Technology and Resources Needed

Simple machines workbook, Pencil

### Assessment Method

Objective worksheet, following directions

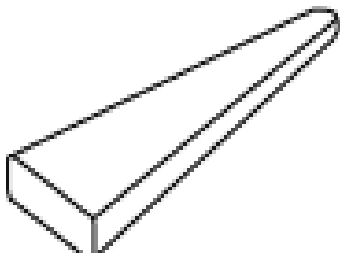
### Additional materials:

Story Map Worksheet

# SCIENCE CENTER VISIT

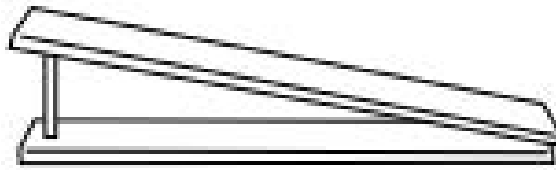


1. No running
2. No shouting
3. Switch levels as a group



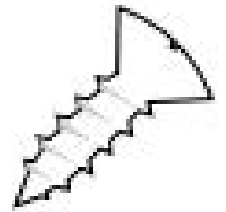
## WEDGE

A device that forces things apart.



## INCLINED PLANE

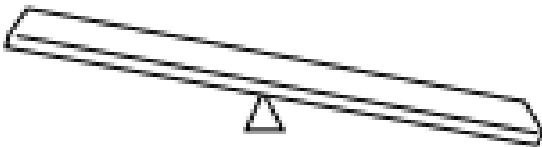
Raises object by moving up a slope



## SCREW

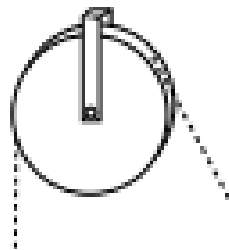
A device that can lift or hold things together by moving up a slope

# SIX SIMPLE MACHINES



## LEVER

Moves around a pivot point to increase or decrease mechanical advantage.



## PULLEY

Changes the direction of a force.



## WHEEL AND AXLE

Used to reduce friction.

# TIC TAC TOE SIMPLE MACHINES - FLOOR THREE

Find and draw a picture of three simple machines on this level of the museum.

Name the exhibit where you found the simple machine.

**PULLY**

**LEVER**

**SCREW**

EXHIBIT NAME:

EXHIBIT NAME:

EXHIBIT NAME:

**WEDGE**

**WHEEL  
AND AXLE**

**INCLINE  
PLANE**

EXHIBIT NAME:

EXHIBIT NAME:

EXHIBIT NAME:

**INCLINE  
PLANE**

**PULLY**

**LEVER**

EXHIBIT NAME:

EXHIBIT NAME:

EXHIBIT NAME: