

SIMPLE MACHINES

MAQUINAS SIMPLES

STUDENT GUIDE



NAME

Look for simple machines throughout the Museum and record your findings in this booklet!

We use machines to reduce the amount of effort, or force, we exert. Simple machines make our work easier by enabling us to use less force. When less force is used, it must be applied over a longer distance.

work = force x distance

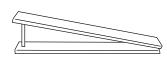












INCLINED PLANE PLANO INCLINADO



SCREW TORNILLO



PALANCA



POLEA



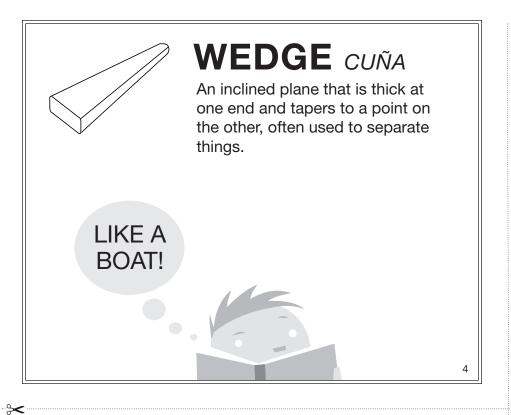
WHEEL AND AXLE RUEDA Y EJE

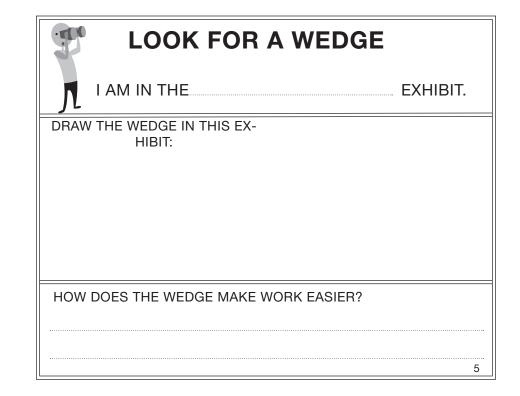
3

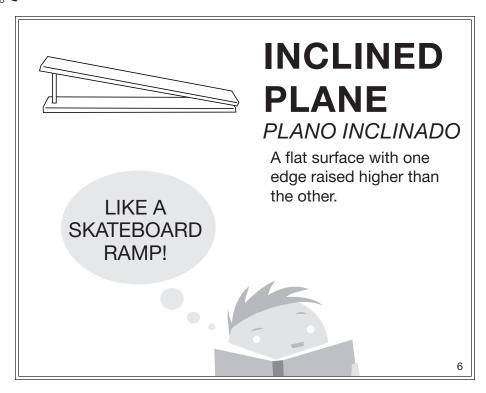
INSTRUCTIONS

- 1. CUT PAGES ALONG DOTTED LINES.
 - 2. THROW THIS PAGE AWAY.
- 3. ARRANGE REMAINING PAGES IN NUMERICAL ORDER.
- **4.** STAPLE PAGES ALONG LEFT EDGE TO FORM A BOOKLET.









LOOK FOR AN INCLINED PLANE		
I AM IN THE	EXHIBIT.	
DRAW THE INCLINED PLANE IN THIS EXHIBIT:		
HOW DOES THE INCLINED PLANE MAKE WORK EASIER?		
	7	

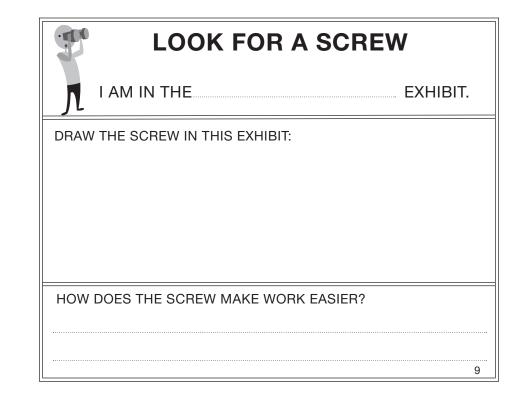


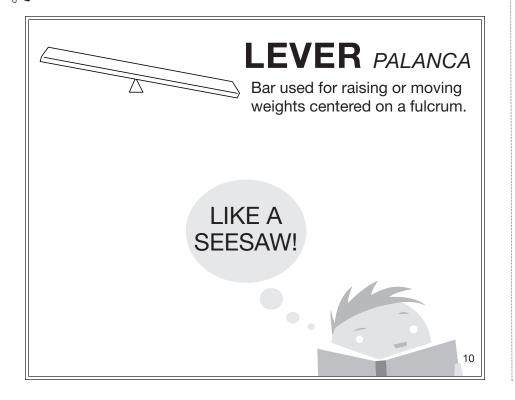
SCREW TORNILLO

A specialized simple machine that is used to raise and lower things as well as hold things together.

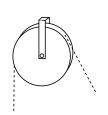
LIKE A BOTTLE LID!







LOOK FOR A LEVER		
I AM IN THE	EXHIBIT.	
DRAW THE LEVER IN THIS EXHIBIT:		
HOW DOES THE LEVER MAKE WORK EASIER	11	

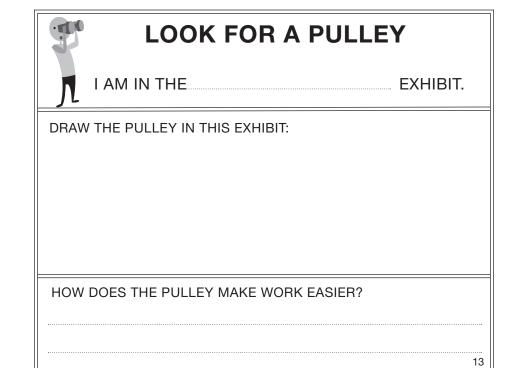


PULLEY POLEA

A simple machine with one or more grooved wheels connected by a rope.

LIKE A FLAGPOLE!







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WHEEL AND AXLE

RUEDA Y EJE

A moveable simple machine centered on a fixed point.

LIKE A CAR WHEEL!



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V.		

LOOK FOR A WHEEL AND AXLE

14

I AM IN THE

EXHIBIT.

DRAW THE WHEEL AND AXLE IN THIS EXHIBIT:

HOW DOES THE WHEEL AND AXLE MAKE WORK EASIER?

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