



CHILDREN'S
MUSEUM
— OF VIRGINIA —
PORTSMOUTH

SIMPLE MACHINES SEARCH AND SEEK

First Floor Exhibits

Take a walk through the **Lancaster Train and Toy Collection**. Which of the trains have simple machines on them? Here's a hint: look at case #6, 15, and 21. Which other display cases exhibit simple machines? Where are they in the train layout?

In the **Portsmouth Fire Station** exhibit, there are several simple machines on the vehicles. Identify the simple machines and the vehicles.

Study the skeleton in **Body Works**. Which of our body parts act as levers?

Look at the instruments on the wall in the **Music Shop**. Which simple machines are in use?

Make your way to **Farm to Market**. Which simple machines would be helpful on the farm to:

Carry the hay to the barn? _____

Plow the field? _____

When you board the **Tugboat**, what are you walking on? Another simple machine is used to catch fish – which is it?

How is a simple machine used to load cargo in the **Working Port**?

Try the **Step In The Bubble**. How does the pulley help this exhibit to work?

Second Floor Exhibits

Look carefully at the **221 House in My Back Yard and Beyond**. Describe the simple machines found both inside and outside the house.

Find another machine in use in the **River Runs Through It**. _____

There is a wheel and axle in use in CreARTivity. Name the exhibit. _____

Dr. Forces Traveling Energy Extravaganza is FULL of simple machines! Explore *each* of the exhibits in **Marvelous Machines** and **Unseen Forces** and list how simple or compound machines are used.

Test Your Strength: How are each of the 3 seats different? _____

Wacky Racers: If you had to push a car up one of slopes, which one would you rather use?

Fantastic Motion Machine: _____

Light as an Elephant: Describe the most effective place to try to lift the elephant (hint: look along side of the elephant first)

Energy Fortune Teller:
