



# ★ KS2 Exhibit Explorers

★ Welcome to Winchester Science Centre. Where will your adventure take you? Use this helpful guide for tips on how to engage your students in our exhibits.

## Upstairs Exhibits

Discover acoustics in the sonic rocket. Step inside and shout the name of your school.

Does your voice sound different if you change the environment you're in? What happens to sound in space?



Pull the ropes to lift the weights. Which weight is easiest to lift and why? What happens if you work as a team?

Pluck the strings of the giant acoustic guitar! Can you feel the vibrations? Does sound travel fastest through a solid or a gas?



Can you play a tune on our air bottles? Why does the pitch change when you move the air over each bottle?



**Entrance >>>>**  
**Exit**

Planetarium

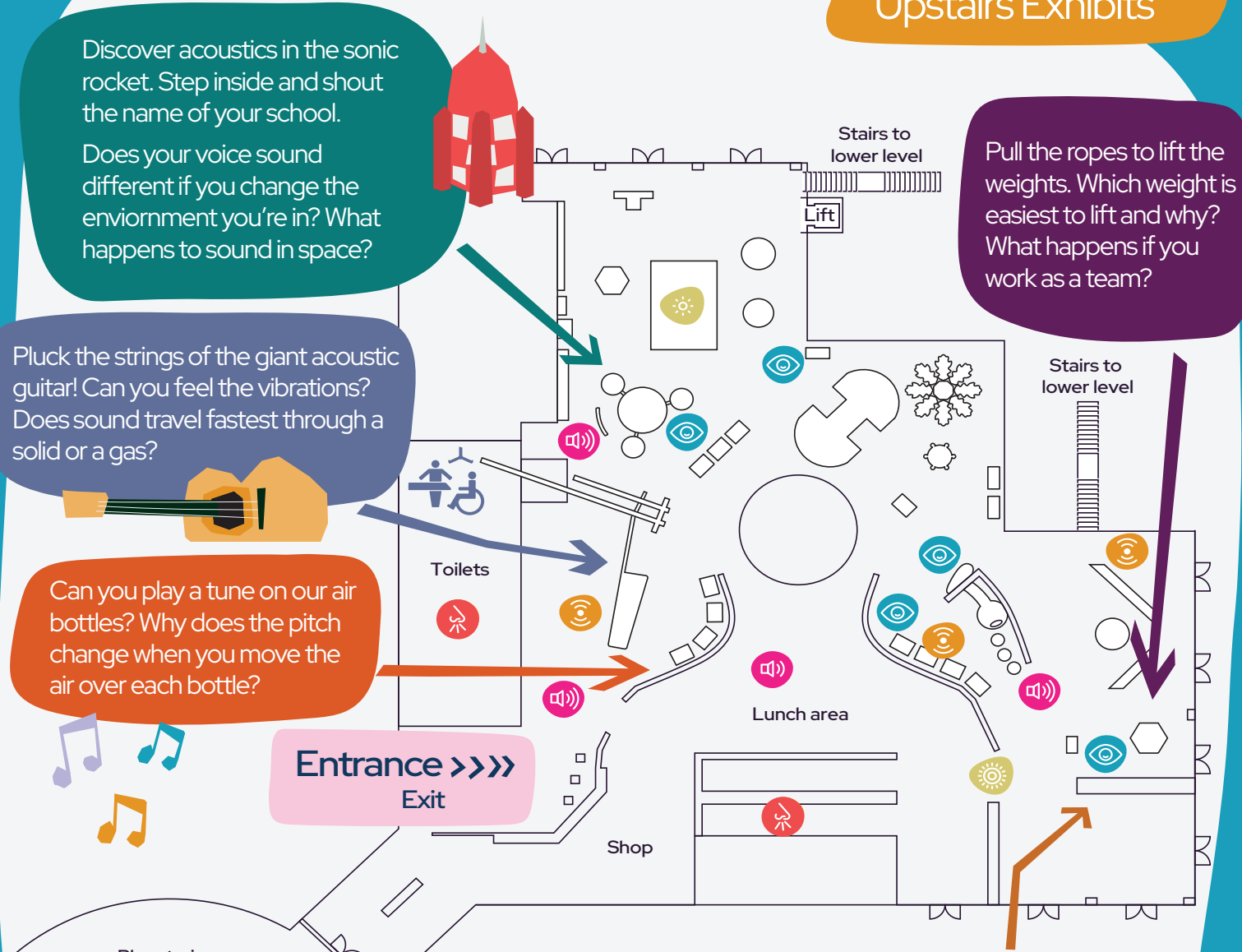
What is your favourite space fact? Share what you learnt on your epic mission to space!

How many planets are there in our solar system? Did you spot any other objects in the night sky?

Create an epic route on the Gravity Run that will allow a ball to make it all the way to the ground. Where does gravity play a role in your route?

**Key**

- Vibrations
- Volume
- Visually appealing
- Brightness
- Smelly

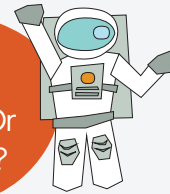




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## Downstairs Exhibits

Take a look at the satellites travelling around us using the Eyes on the Earth touch screen table. Can you find out which one is travelling fastest? Or can you find the largest satellite? What does it do?



To picnic area

Look in the biosphere! This is a completely sealed, functioning ecosystem! Can you spot any creatures living in there? What is giving them the oxygen they need?

Recombobulation Room: A quiet space to take a break

Changing Places and accessible toilet

Stairs to upper level

Soft play

Stairs to upper level

Lightyear.fm: Become a lightyear DJ. Find the song playing for the year that you were born. Is your birth year near or far from Earth in lightyears?

Can you find your school, house or favourite place using the Google Earth Station?

Explorer:Space

What do things weigh in space? Make a prediction! Which planet do you think the beans will weigh the greatest on? Now let's test and see if our prediction was correct.

Rub your foot on the floor in front of the thermal camera and see what happens. This is called friction. Friction creates heat which is picked up by our thermal camera. Can you write your name on the floor using friction?



Key



Vibrations



Volume



Visually appealing



Brightness



Smelly

