



Science Activity
Fun with the Solar System
Time to prepare: 5 minutes



□ Please, stay safe and ask a grown up to supervise you

Resources/ things you need

- Bouncy balls - different sizes - e.g. tennis balls, ping pong ball, footballs, bouncy balls, a mixture of some or all of these.

OR - any round food for example fruit

- Oranges, apples, plums, tangerines, grapes, any soft fruits etc...
- Pen
- Paper

Whether you are using bouncy balls, or round food like fruit, for your solar system, you need 9 round objects in total. Different sizes would be good but not essential.

What to do

Lay out and model the solar system with either your bouncy balls or round food and do the following. You should have 9 round objects in total of different sizes.

This game can be done indoors but maybe best outdoors to give more space.

1. **What should your biggest object represent in the solar system?** The sun.
2. **How many objects are left to place in your model solar system?** 8
3. **What will these 8 objects represent?** The 8 planets.
4. **Can you put the 8 round objects in the order of the planets going out from the sun?** See below for help with the order.

Optional - IF you have different sizes of objects use the bigger balls or fruit for Jupiter & Saturn as they are big planets. (NOT as big as the sun though).

5. Label your 8 planets and make up a game.

Who can run to Venus first and then to Neptune?

Who can run to Mercury and then Saturn?

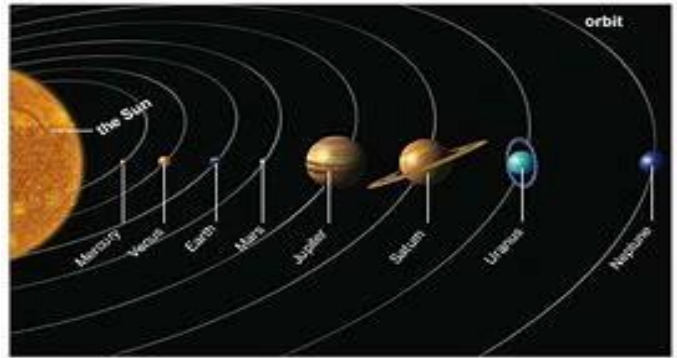
Background and the link to learning

The solar system is the collection of the eight planets and their moons that orbit around the Sun.

The order of planets from the Sun.

Sun, Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune.

The solar system



[Link to other similar activities](#) - Please see: [make a mobile solar system](#)

