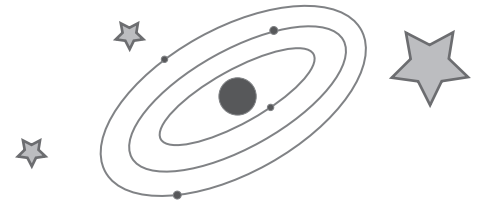


SPACE



WHAT IS THIS?

This activity pack will help you discover the expanses of space and our neighbours in the solar system. You will find out the names and order of the planets and learn more about the dwarf planets and objects in the solar system.

These activities have been designed for Years 7 – 9 but they also include challenging activities that would be suitable for Years 9 – 11 and act as a revision aid. Younger students are encouraged to use these activities and skip any tasks that are too challenging.

The activities all build from each other and we recommend that you follow them in order. This will give you a detailed insight into the world of planetary science (that's the study of planets). However, if you'd like to attempt any one of the activities on its own – go ahead! Just be aware that you might need to look back at previous worksheets to find out the answers to some of the questions.

WHAT DO I NEED?

You will need a pen, pencil and ideally you will also need access to a printer. If you do not have a printer many of our activities can be completed on your computer using PDF annotation software such as Notability, Foxit, PDF Annotate & Fill plus many more.

The experiments and challenges will require items from your home. We will give alternatives to make them as accessible as possible but if you don't have access to the correct equipment don't be afraid to be creative – as long as it is safe and you have checked with an adult first. If you have an idea for alternatives to any of our experiments or if you think your creation is particularly nifty we'd love it if you'd share it with us on Twitter @GeoBus_UCL but make sure you check with a parent or guardian first.

You may also need to use your school notes, books and the internet to help you complete the activities and challenges, but if you're really stuck, you'll also find answer packs on the GeoBus website (but no peeking until you've had a go first).

WHAT ARE THE ACTIVITIES?

Activity	Equipment	Time	Difficulty
1. Our Solar System	colouring pencils or pens	45 - 60 minutes	Medium
1b. Satellites in the Solar System	ruler, pencil, scissors and colouring pencils or pens	45 - 60 minutes	Medium
2. The Terrestrial Planets	Varied for different experiments	90 - 120 minutes	Medium
3. The Gas Giants	Plastic bottles, water, sticky tape	45 - 60 minutes	Medium
4. The Ice Giants	colouring pencils or pens	30 - 45 minutes	Easy