

# SunSpaceArt

## Art Worksheet 14 – by Helen Schell - Solar Satellite Book The Sun, Our Star – Our Place in the Universe

### Background

The *SunSpaceArt* project aims to inspire children and to develop creativity. The project brings together arts and science learning (STEAM). The team comprises scientists, space ambassadors and artists. The project is funded by the Science and Technology Facilities Council. For more information, see the [www.sunspaceart.org](http://www.sunspaceart.org) website or contact [info@sunspaceart](mailto:info@sunspaceart).

This art worksheet is designed for teachers to deliver *SunSpaceArt* lessons independently.

**Grade:** Key stage 2 or 3

**Ideal Class size:** 24-30

### Materials:

- Recycled domestic plastics, paper and card
- Collage materials (tin foil, stickers, holographic paper & printed images)
- Scissors & craft knives (age appropriate)
- PVA glue, glue sticks, tapes, staplers, DS sticky pads, and glue guns for older children
- Water based paints & brushes of different sizes (optional)
- White & coloured paper & card (A4 – A1)
- Pencils, crayons & felt tips

### Extension Themes

Earth's satellites, ISS, space junk and spacecraft technology

**Objectives:** for teachers and pupils to create original art books about the Sun, Solar System and space within the context of solar exploration. The aim is to enable a greater understanding of space science by using art and craft techniques and literacy. The links below can also be used for story writing, poetry, performance, maths and IT sessions. This is an ideal format to introduce the children to careers in science and the arts.

### Workshop Themes:

solar science (energy, light, spectrum and magnetism)

solar and satellite technology (communication and IT)

Sun & Earth (environment)



### Workshop plan

**Running Time:** a morning, full day activity or several lessons over a longer period.

**Activities:** The aim is to create a series of Sun themed booklets in terms of solar science and satellite technology. This should be achieved by collage, folding, cut-out and pop-up techniques and should look like a satellite. The children should include written facts with their art and design. Groups can create larger booklets or a space library. Please set out a range of materials for easy access and to promote experimentation. All materials and activities are suggestions and we hope that teachers and pupils will develop their own customised versions as this is about space exploration and discovering new things. Pupils can work in groups, pairs or as individuals.

**Step 1:** Workshops should begin with either a PowerPoint presentation or pupils can do their own research either online or by using books and magazines. A whole class Q&A session will get ideas flowing and enable children to develop their chosen project.

**Step 2:** The children should choose a 'Mission Team' name, then devise and create a solar satellite project. Having reference images and facts about the Sun, Solar System and solar satellites on the table will assist with making the cards.

**Step 3:** For a planning session, the children could use a large sheet of paper.

**Step 4:** The pupils should select a variety of materials to produce a 2D or 3D Solar Satellite Booklet.

**Final Project:** All artworks and scientific investigation can be brought together to create a Sun show or can be presented as individual work. They should present a 'Show & Tell' in the classroom and projects can be used for school assemblies, exhibitions and parent events. This is an ideal format to introduce the children to careers in science and the arts.

**Discover more - online resources for research & development:**

<http://www.suntrek.org/>

<http://sci.esa.int/solar-orbiter>

<https://www.esa.int/esaKIDSen/TheSun.html>

<https://www.nasa.gov/sun>

<https://www.nasa.gov/content/goddard/parker-solar-probe>

<http://thenewbridgeproject.com/portfolio/helen-schell/>

### Workshop Images

