SunSpaceArt -WS1

Art Worksheet – How to make a pop-up book on the Sun and space

Introduction
Introducing children to the Sun: how it fits in the universe, and relates to life on Earth. Combining scientific facts with imaginative story telling.

Workshop plan

Preparation and classroom set up (1-2 hrs)
Some pop-up books could be prepared in advance. See the step-by-step process below. Group the children approximately six children per table. Place art and science resources in the centre.

Sun and space presentation (1 hr)
Share information about the Sun and space, with images and videos (40 min). Questions and discussion with children (10 min). Ask the children to write on post-it notes: what the Sun means to them and what they find interesting about it. Ask volunteers to share their answers with the class (10 min).

Art workshop (1 hr 30)
Introduce the art activity. Give step-by-step instructions on how to make pop-up books (5 min). Each student will make a collage pop-up book (1 hr 15). Ask the children to share their ideas and help each other. Tidy up (10 min).

Show and tell, plus feedback (15 min)
Display the books on tables for the children to look at (few mins). Ask a volunteer to talk about another student’s work that they find inspiring. Then ask the student how they made the work (10 min). Ask the children to write feedback (on post-it notes or forms) on what they have learnt and how they might explore this further (3 min).

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 website or contact info@sunspaceart.

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

Level: Year 5/6
Grade: Key stage 2
Ideal Class size: 24-30

Materials:
- A4 colour paper and card
- scissors
- pritt stick
- soft pastels or colour crayons
- reference books and factsheets about the Sun and space

Additional resources
- Sun presentation
- Sun facts - www.suntrek.org
- Pop up book – step-by-step presentation
- Information about artists - Vincent van Gogh, Matisse

Extension
- Develop a poem as the basis for the books.
- Present the pop-up books to a wider audience, such as in assembly.
- Run a quiz on Sun and science facts.
Pop-up books: Step-by-Step

**Step 1**
Fold 3 sheets of coloured A4 paper and 1 sheet of coloured card in half per pupil.

**Step 2**
Make 2 slits of the same length (~5cm) on paper fold. Fold tab inwards and flatten. Vary the number of tabs for the pages in each book (e.g. 1-3 tabs).

**Step 3**
Gather three sheets of different colour paper with tabs and glue together at edges. Avoid glue around the tabs.

**Step 4**
Insert each booklet centre into A4 coloured card. Glue front of card to first page. Leave the back page in case children want to add more pages to the book.

**Step 5**
The children should develop imagery and text to build a story through drawing and cutting collage elements.

**Step 6**
Talk with students individually about their ideas. Encourage them to decide on a front cover design / title. The project can be finished as homework and they can add pages if they want.