

Global Citizenship – An Interdisciplinary Approach in Primary School @NUthmani



Science & Global Space Exploration

Exploration of space: the solar system, astronomy, technological advancements.

- *Learning context:*
 - *Consider the origins of astronomy: the Greek 'Ptolemy Almagest' and its preservation by Arab scientists in the medieval era*
 - *Compare the Dark Ages in Europe to the Islamic Golden Age at the same time*
 - *Study the space race and the main players today: NASA, SpaceX and the Indian Space Agency (ISRO).*



Focus: Science/Global Space Exploration

Stage: Second Level

Mathematics

I have worked with others to explore, and present our findings on, how mathematics impacts on the world and the important part it has played in advances and inventions.

MTH 2-12a

Literacy

I can make notes, organise them under suitable headings and use them to understand information, develop my thinking, explore problems and create new texts, using my own words as appropriate. **LIT 2-15a**

I can convey information, describe events, explain processes or combine ideas in different ways. **LIT 2-28a**

Science

By observing and researching features of our solar system, I can use simple models to communicate my understanding of size, scale, time and relative motion within it.

SCN 2-06a

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Expressive Arts

I have the opportunity to choose and explore an extended range of media and technologies to create images and objects, comparing and combining them for specific tasks. **EXA 2-02a**

I have experienced the energy and excitement of presenting/performing for audiences and being part of an audience for other people's presentations/performances.

EXA 2-01a

Learning Context

Science: Space

Global Citizenship Focus: Global History

ICT and Technologies

Throughout all my learning, I can use search facilities of electronic sources to access and retrieve information, recognising the importance this has in my place of learning, at home and in the workplace. **TCH 2-08b**

I can investigate how an everyday product has changed over time to gain an awareness of the link between scientific and technological developments. **TCH 2-01b**

Social Studies

I can discuss why people and events from a particular time in the past were important, placing them within a historical sequence.

SOC 2-06a

I can compare and contrast a society in the past with my own and contribute to a discussion of the similarities and differences.

SOC 2-04a

Health and Wellbeing

Through contributing my views, time and talents, I play a part in bringing about positive change in my school and wider community.

HWB 2-13a

Sustainable Development Goals

SDG 13: Consider the carbon footprint of space exploration

Focus for Assessment

SAY: "Explain the different uses of astronomy in the past and in the modern era." "Explain the use of ancient astronomical instruments."

MAKE: Make a model sun dial.

WRITE: Write a report about one of the current space agencies and what they are doing to enhance exploration.

DO: In groups, plan a role play for a job interview to work in the 'Arab Astronomy Centre': what skills would you require? What questions would you ask?