



Workshop
World Space Week
Otilia Sofron, Sibiu, Romania

Background information for teachers

World Space Week

World Space Week is an international celebration of science and technology, and their contribution to the betterment of the human condition. The United Nations General Assembly declared in 1999 that World Space Week will be held each year from October 4-10. These dates commemorate two events:

- **October 4, 1957:** Launch of the first human-made Earth satellite, Sputnik 1, thus opening the way for space exploration
- **October 10, 1967:** The signing of the Treaty on Principles Governing the Activities of States in the Exploration and Peaceful Uses of Outer Space, including the Moon and Other Celestial Bodies

Overview of this lesson pack:

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|------------------------|---|
| Name of the activity | World Space Week |
| Topics introduced | Astrophysics, basic elements |
| Curriculum Connection | <p>IRELAND: PORTUGAL: GREECE: FRANCE: ITALY: OTHER: ROMANIA- there is not a major named like this in the curriculum, there are some references to this chapter of astronomy, but beside this we have National Olympics Contest also International participation to international contests (2014 Romania was the organiser for the International Astrophysic Olympics Competition).</p> |
| Reference Demonstrator | Exploring the Sun - Does the Sun rotate? |
| Age of students | 15-19 |
| Duration | 50 minutes |

Overview of this lesson pack:

| | |
|------------------------------|---|
| Type of activity | Conceptual Understanding lesson: introduce new concepts |
| Description of activity | Teacher activities: Guiding students Student activities: Working on computers, using google.com and specialized sites Using Salsa J |
| Equipment requirements | Personal Computers for each student Salsa J installed |
| Prior knowledge for students | none |

Background and overview of the discovering alien worlds demonstrator:

- Astrophysics
- Research on the planets of the Solar System - number, size, dimensions, distance from the Sun
- Research on other objects in the outer space
- Visualize the results

Presentation for students

The teacher will offer to the students the research words, they have to find by using google.com the answers

Second part

link to the “Exploring the Sun - Does the Sun rotate?” page

Presentation for students

The teacher will introduce the demonstrator program, explaining in detail what it is expected to do using a power point and a video projector

Presentation for students

Maybe a good choice is to use Salsa J independently
from the demonstrator.

Reflection

- What are the main concepts learned
- Which competences did you improve
- What would you like to learn/know more

Additional Informations

For more questions you can access the link

<http://www.euhou.net/index.php/salsaj-software-mainmenu-9/experimental-salsaj-manual>

<http://www.frontiers-project.eu/demonstrators/exploringthesun/>