**LEARNING UNIT: The Solar System**

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| Type of school/ class | | Secondary School - I.C. BOSSI classe 2E | |
| Subject | | SCIENCE | |
| Duration of Unit | | 9 HOURS | |
| **TEACHING AIMS**  To know about the Solar system.  To enable students to learn about the Sun, the planets and their characteristics. | | | |
| **LEARNING OUTCOMES** | | | |
| Most learners should know   * The Solar System and its elements: planets, satellites, asteroids and comets * The Sun * The planets of the solar system: name, position in relation to the sun, size, internal structure * Earth Rotation and Revolution | Most learners should be able to   * Get information about the solar system from different sources * Identify the components of the Solar System * Use the specific vocabulary related to [Astronomy](https://context.reverso.net/traduzione/inglese-italiano/Astronomy) * Use ICT | | Most learners should be aware of   * the consequences of the Earth’s revolutions and rotation * the impact of human beings on the environment * using digital skills responsibly |
| **CONTENT**  The students learn about the order of planets, the concept of planet movement, basic information on each planet, basic information about the impact of human beings on the environment  The students learn about using ICT | | | |
| **COMMUNICATION**  The students describe the Solar System and its planets. | | | |
| Language of learning  **Vocabulary**  words related to the Solar System:   * Asteroids - Comet star * Nebulae – Black Hole * Galaxy - [Milky Way](https://context.reverso.net/traduzione/inglese-italiano/Milky+Way) * Planet – Dwarf planets * Moon - Comets * Mercury – Venus - Earth * Mars - Jupiter - Saturn * Uranus – Neptune - [Pluto](https://en.wikipedia.org/wiki/Pluto)   Vocabulary related ICT:   * QR code * QR scanner * Augmented Reality   **Structures:**   * Comparatives * Description * Present simple * Expositive text   **Function:**  Describing astronomic objects | Language for learning  Describing astronomic objects, Asking for clarification and information  Giving information  Taking notes  Organising information | | Language through learning  Language to carry out oral tasks, to ask questions to their classmates |
| **COGNITION**   * Understanding concepts and making connections * Deducing and comparing information, drawing conclusions, * Giving reasons * Searching for information * Making  a power-point presentation * Using networks and ICT in study and research activities | | | |
| **CULTURE**  The students acquire the necessary tools to correctly read and interpret everything regarding their individual’s position in a physical space  The students are aware of the relationship that exists between the various planets, the distances between them and the reason why our planet is the most suitable for accepting life forms, demonstrating its uniqueness. | | | |
| **RESOURCES**  <https://www.youtube.com/watch?v=Qd6nLM2QlWw&feature=youtu.be>  <https://www.youtube.com/watch?v=noiwY7kQ5NQ>  <https://create.kahoot.it/share/the-solar-system/c482c175-ac56-47e0-bc23-c08fe53ebe1d>  - Tablet- pc - smartphone  - Space Card 4D Octagon Studio  - IWB  - Sara Gudgeon “SCIENZE CLIL” – Ed (lesson 16 – unit 3:Earth Scienze) | | | |
| **ASSESSMENT**  Formative: on-going observation, homework check and feedback, writing questions and answers on the topic  Summative: group work, peer to peer activities, realize a group output product | | | |