## 

Full STEAM ahead for better education

Lesson plan

Teacher: Helen Kalagia

|  |
| --- |
| **Title/ Τίτλος: Αquaintance with the solar system through an imaginary journey in the space** |

|  |  |
| --- | --- |
| Aim/Στόχοι | To be acquainted with the planets and to build mental representations of the solar system compatible with scientific knowledge. |
| Tools I need/Εργαλεία | Pictures, videos, constructions, theatrical game, various materials, the internet. |
| Preparations/Προετοιμασία | Pupils start an exciting journey to the space, take over roles, and learn about the planets. |
| What to do/ Δραστηριότητες | Through the storyline I excite their curiosity and imagination to travel beyond the horizon. |
| What I get / results/ Αναμενόμενα Αποτελέσματα | To get to know the names of the planets, their position in the solar system, to compare sizes, distances, to learn about gravity, orbits. |

|  |
| --- |
| **The STEAM approach/ Προσέγγιση STEAM:** |

|  |  |  |
| --- | --- | --- |
| **S** | Search/Ερευνώ | Pupils through the storyline become acquainted with the solar system gathering information from books, the internet, videos, pictures, photos. |
| **T** | Think/Σκέπτομαι | How people managed to overcome the law of gravity and explore what exists beyond the earth. |
| **E** | Experience/Δοκιμάζω- Βιώνω-Εφαρμόζω | Through watching audiovisual material and virtual reality. |
| **A** | Active learning/ Ενεργητική Μάθηση | Maths (comparisons of distances – sizes) constructions, theatrical game, Natural Sciences. |
| **M** | Motivation/Κινητοποίηση | * Excitement of imagination. * Through a funny journey young travellers are trying to understand their existence in the vastness of the universe. |

|  |  |
| --- | --- |
| Ressources / Links:  Πηγές |  |