Lesson Plan: Titel

# Information

School: SOU “ Vassil Levski” -Bulgaria

Students: Gabriel Mihov

Luben Stanchev

Subject: Astronomy lesson , Science

Planets – names, order in the Solar system, constellations, gravity

Goals (targets, results): To provide further practice based on the students’ knowledge about planets and the Solar system

Students work individually, in pairs and in small groups

Means: short presentations about planets and gravity using overhead projector, computer, handouts with the names of planets, playing activities, quiz projected on the board

Materials: plasticine, plastic colourful sticks to make structure of constellations

# Description

Begin: Presentation for students to get acquainted with the names of planets and their order in the Solar system

1° activity: Eight students are picked at random to make a line in front of the class. They chose a name of a plan by picking up a card from a box. After they have the name of the planet they line in the correct order of the planets in the Solar system . When they get in the correct order they say the name of their planet from the first student (Who is Mercury?) to the last one( Who is Neptune?) and say some words describing each of the planets..

2° activity: Short presentation on the board about gravity and how it works in space

A game: Two students take part in this activity. One is the tallest student in the class and the other is the shortest. The tall one is the Earth and the short one is the Moon. The tall student stands still and the short student starts walking around him while students are being explained how gravity works (showing this in the role play)

3rd activity: Students are shown a picture of a constellation on the board and they are asked about the names of the constellations they know

A game: All students make groups (the number of members depend on the number of students in the class). An explanation is provided how to make the constellation “ Draco, the Dragon” from balls of plasticine and plastic colourful sticks. A competition takes place to find out which group is the fastest and the most precise in costructing different constellations - the winner is rewarded.

4th activity: Check how well students have remembered the information they have learned during the lesson

A quiz: Students are asked fifteen questions related to what they have been thought. Questions are displayed on the board with possible answers ( multiple choice task ) to choose the correct answer.

# Experience

Try-out: December 2014, at the primary school included into the project work – Sevlievo, Bulgaria

Students wanted to pre-teach the lesson they were preparing

Age of students 9 – 10 years

Students seemed to be very interested in the topic, they took active part in the activities

Lesson1: 2015 – 01-27, Ostrava

Age of students 12-13 years

Students in Ostrava school were older than the expected participants but nevertheless they took active part in the lesson , they seem to enjoy themselves while doing the activities and seemed to be interested in the information presented

Evaluation

Students:

Teachers:

Pupils: