**Открытый урок по теме " Космос. Солнечная система" (8-й класс)**

**ЦЕЛИ УРОКА:**

* Образовательный аспект - расширение общего кругозора учащихся. Отработка межпредметных связей.
* Воспитательный аспект - воспитание потребности в практическом использовании английского языка, любви и уважения к достижениям отечественной науки.
* Развивающий аспект - развитие оперативной памяти и способности к функционально-адекватному восприятию изученной лексики; формирование интереса к строению солнечной системы, к достижениям и развитию космической индустрии и астрономии. Повышение мотивации к обучению детей с гуманитарными и естественнонаучными наклонностями.
* Учебный аспект - формирование лексико-грамматических навыков чтения, аудирования и устной речи по изучаемой теме, расширение знаний и представлений учащихся о строении Солнечной системы, знакомство с знаками зодиака.

**Педагогические технологии, используемые при подготовке и проведении урока:**

Игровые, коммуникативные, проектная.

**Современные информационно-коммуникативные технологии** *-* использование мультимедийного проектора, видеозаписей.

**Задачи урока:**

* Практиковать языковые навыки;
* Тренировать в употреблении в речи и в понимании лексики по теме "Развитие космонавтики. Планеты Солнечной системы";
* Формировать интерес учащихся к изучению астрономии, обратить внимание на значение астрономии в развитии современных технологий.
* Воспитывать патриотическое отношение к Родине (акцентируя внимание на заслуги советской и российской космонавтики перед мировой наукой и техникой)

**Оборудование к уроку:**

* Мультимедийная установка,
* Аудиопроигрыватель.
* Учбник английского языка Биболетовой М.З.

**Дополнительное оснащение:**

* обучающий фильм по астрономии,
* мультимедийная презентация,
* раздаточный материал по количеству учащихся для выполнения лексико-грамматических упражнений

**Подготовка к уроку:**

За неделю до обобщающего урока учащимся по желанию было дано задание подготовить на английском языке информацию о планетах Солнечной системы.

Оформить мультимедийную презентацию по теме урока.

**ХОД УРОКА:**

**1. Видеофрагмент**

«Грёзы о космосе» демонстрируется на перемене до начала урока для создания соответствующего настроения и введения в тему.

Children, look through these pictures and suppose the theme of our lesson. I am sure you’ll guess about it very easily.

Учащиеся просматривают видео и высказывают предположения о теме урока.

**2. Вводная беседа, сообщение перспектив урока:**

English Teacher: Good Morning, dear friends! Today we are having an unusual lesson. The topic of the lesson is "Space and the Solar System". We've got much work to do today. We'll remember some facts from the history of space exploration, you'll tell us what you know about planets of Solar System, you are going to do some exercises and of course we'll learn much interesting.

**3. Фонетическая зарядка (упр.35 стр.13)**

1) Let’s begin our work with doing a phonetic drill. Open you books on page13, exercise 35. Listen to the words and repeat them.

Ученики повторяют слова за диктором.

2) Children, will you read out the words with the sound [e], [s], [t], [m]?

Учащиеся читают слова из упражнения на эти звуки.

3) Игра «Снежный ком» по теме «Космос».

**4.Речевая зарядка.**

1) Very good, children, and now **answer my questions**, please:

1. What is the name of our planet?
2. What do you know about the moon?
3. Name the smallest planet in our solar system.
4. How do you think is there life on other planets?
5. Why do you think there is a life on Earth?
6. Who was the first man to fly into space?
7. Who was the first woman to fly into space?
8. Who was the first astronaut to walk on the Moon?
9. Who was the first man to leave a spaceship for a space walk?
10. How many planets are there in the Solar System?

**2)** And now children let’s guess the words in this crossword.

English Teacher:

1. It is a space and everything that exist in it. (the universe)
2. It is a huge group of stars and planets. (galaxy)
3. It is a place far above the Earth where there is no air. ( space)
4. It is a rocket or other vehicle that can travel in space. (a spaceship)
5. It is a large, round object that goes round a star. (a planet)
6. It is the Sun together with the planets going round it. (the Solar System)
7. The biggest star.
8. The satellite of our planet.

**5. Проверка домашнего задания.**

English Teacher: Let's review the names of the planets. (слайды)

Фонетический практикум. Учащиеся повторяют названия планет.

Давайте посмотрим, что вам известно об этих планетах и, кроме того, вы узнаете немало новых для вас фактов. (Учащиеся по очереди зачитывают свои заранее подготовленные сообщения о планетах солнечной системы).

**6.Выполнение упражнений.**

1) And now let’s try to do this exercise. Write down the names of the planets according to their position to the sun.

А теперь давайте попробуем заполнить схему расположения планет солнечной системы, написав их названия самостоятельно.

(Рабочая тетрадь к учебнику Биболетовой М.З., стр.8 №1b).

2) And now let’s check your knowledge of the vocabulary. Do exercise number 1 in your workbooks.

Children, please, change your sheets of paper and check your answers.

**Fill in the gaps with the following words: *launched, planets, spaceship, cosmonaut, satellite, explored, research.***

* The\_\_\_\_ flew at the speed of 300 miles a minute.
* Yuri Gagarin was the first\_\_\_ in the world.
* The government spends money on scientific\_\_\_\_.
* I saw \_\_\_\_ and began to move towards it.
* They’ve \_\_\_\_ their own solar system.
* The Earth is the fifth largest of the nine main \_\_\_ in the solar system.
* The satellite was \_\_\_\_ into space three days ago.

***(Keys: spaceship, cosmonaut, research, satellite, explored, planets, launched)***

1. **Игра «Бинго».**

Well, now we can relax and play your favourite game “Bingo”. The rules of this game you know- you have cards with the words of our theme on them. You must listen to me very attentively and delete words that you’ll hear. Who will be the first is the winner. Is it clear? Let’s begin.

*Light*, *Earth, moon, telescope, rocket, universe, Mars, tide, neighbour, spaceship, alien, sky, star, satellite, planet, Venus, space, Saturn.*

And our winner for today is… I congratulate you.

1. **Задание на аудирование.**

Now you’ll get the sheets with the task.

Listen to some facts about the universe. For each fact write a word, short phrase of number to complete each note.

* 1. Year first man-made satellite left Earth:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* 1. First person to travel into space:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* 1. Name of the Earth’s natural satellite:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* 1. Year a human first walked on the Moon:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* 1. Number of moons Pluto has:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* 1. Number of moons Saturn has:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* 1. Speed of Sun moving through space:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* 1. Length of time for Milky Way to revolve:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**9.Чтение текста.**

I suppose that it’s very interesting to know more about the famous cosmonaut. I offer you to read the text.

**Before reading exercises.**

***Translate some word-combinations:***

* a) первый полет
* б) пролетая над землей
* в) вид горизонта
* г) вышел в космос
* д) сила притяжения

Are you ready? Let’s listen to your answers.

Учащиеся устно переводят данные словосочетания, которые находятся в макете рабочей тетради задание № 3.

***Ключи:***

* a) the first flight,
* б) flying over the land,
* в) the view of the horizon,
* г) entered space,
* д) force of gravity.

***Match the two parts of the statements.***

1. The spaceship flew at the speed of
2. I saw for the first time with my own eyes
3. When weightlessness developed
4. I felt excellent as

* a) I entered space.
* b) 300 miles a minute.
* c) the Earth’s spherical shape.
* d) everything was easier to do.

Учащиеся выполняют задание №4 в макете рабочей тетради.

Are you ready? Look through your exercise and change your sheets of paper with your partner.

***Ключи:***

1-b,

2-c,

3-d,

4-a.

**Reading:**

Now, please read the text very attentively. Try to get as much information as possible. You have 5 minutes.

Учащиеся читают про себя текст (текст находится в макете рабочей тетради задание №5).

**Yuri Gagarin.**

It was on the 12th of April, 1961, when the first flight by man into cosmic space took place. Yuri Gagarin, the first cosmonaut in the world, was a 27-year old Air Force pilot at that time.

The spaceship flew at the speed of 300 miles a minute. That’s six times faster than man ever travelled before. His flight lasted 108 minutes, but a circuit round the Earth took 89 minutes.

It was a brilliant achievement on the part of our scientists and technologists, and on the part of Yuri Gagarin who risked his life to achieve a victory for his country and mankind.

This is what Yuri Gagarin said at his press conference: «On my flight the ‘day’ side of the Earth was clearly seen: the continents, islands, seas, and big rivers. Flying over the land I could clearly see the big squares of fields, and it was possible to distinguish which meadow and which was forest. I could not see as well as from an airplane, but very, very well though.

I saw for the first with my own eyes the Earth’s spherical shape. I must say that the view of the horizon is very beautiful. You can see the noticeable change from the light surface of the Earth to the completely black sky in which you can see the stars. This transition, from light blue to dark, is very gradual and lovely.

I did not see the Moon. In space the sun shines ten times more brightly than on the Earth. The stars can be seen very well.

I felt excellent as I entered space. When weightlessness developed, everything was easier to do. My legs and arms weighed nothing. Objects swam in the cabin.

The passage back from weightlessness to the force of gravity happened smoothly. Arms and legs feel the same as during weightlessness, but now they have weight.

***Choose the right answer***

***1)True 2)False 3) Not stated***

A. The first cosmonaut in the world was Neil Armstrong.

B. They want to travel, to see the world from outside the Earth.

C. I have never been on the Moon.

D. In space the Sun doesn’t shine more brightly than on the Earth.

Учащиеся выполняют задание №5 в макете рабочей тетради

***Ключи:***

A -2),

B – 3),

C – 1),

D – 2)

* 1. **Рефлексия.**

You know much about space now. There are stars on your desks. Please write down : What you felt during the lesson. Did you like it? What did you like most?

У вас на столах находятся звезды. **Ответьте на предложенный вопрос**: Понравился ли вам урок? Что вы чувствовали.

It was: exciting, interesting, boring, unusual, tiring, thrilling.

**А** **теперь разместите звезды-ответы на карте звездного неба.**

Let’s stop there. **Open your diaries and write down your homework, please**. You have worked very well.

**Hometask:**

People have always been interested in space, the universe, stars. The sky has always been mysterious for us. And do you know that the position of some stars remind us of some figures. There are 12 signs of zodiac. Do you know to which sign you belong to? Your task is to find it out and tell us about your sign. So prepare a little project about your sign of zodiac with some information and a presentation.

Children, I wonder,what new information have you learned from today’s lesson? Yes,we have known a lot about famous cosmonauts, different space researches, planets in the Solar System.

**Выставление и комментирование оценок.**

The lesson is over. Thank you. Good-Bye.