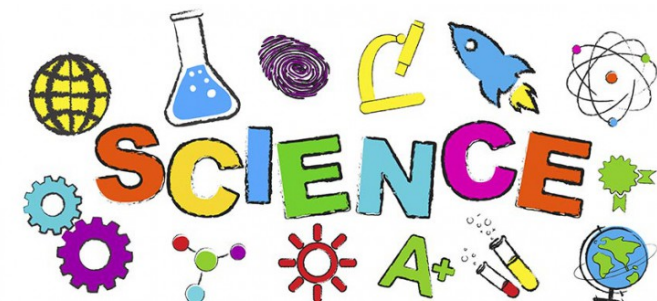




SCIENCE LESSONS FOR KIDS...



ABOUT THE TOPICS....

First of all, when you start science lessons with kids, you should identify what are their interests, which part of the science they like most and what kind of experiments they want to do. Some of them like Chemistry and explosions, some of them - physics and creating tools and others like nature and the processes going on in it. First few lessons it can be done experiments from different parts of science and after finding out children's favorite topic, you can plan your future activities based on it.



BECOME A SCIENTIST IN A FUN WAY....

Explosions, colours, balloons are the things, what kids liked the most. Consequently, they love experiments related to these things. One such experiment is the "soda-vinegar-balloon experiment", which shows the chemical process produced by mixing soda and vinegar.

DESCRIPTION OF THE EXPERIMENT:

During the experiment, we put vinegar in a bottle or plastic cup to cover 1/5 of the dish, at the same time we put one teaspoon of soda in a plastic glove and we place the mentioned items on the bottle and cup so that the soda does not fall into the vinegar. Then we can slowly mix soda with vinegar and observe the chemical process.



WHAT CAN KIDS LEARN FROM THIS EXPERIMENT?

The course of chemical reactions is accompanied by various external signs that indicate that a chemical reaction has actually taken place. The chemical fact of this experiment is that gases are released during the interaction of soda and vinegar, an external proof of this is that eventually the bubble and the glove are filled with air.



SO, AFTER THE EXPERIMENT WE HAVE MANY DIFFERENT COLORFUL INFLATED BUBBLES AND GLOVES AND HAPPY CHILDREN.



EXPLORING NATURE IN AN EXCITING WAY...

During my classes with kids, I was focused more on Nature and biology. One of the most interesting and informative lesson was about photosynthesis process. The main points of the lesson are:



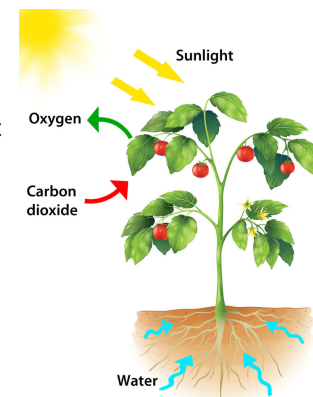
WHAT IS PHOTOSYNTHESIS?

WHAT IS NEEDED FOR THE PROCESS OF PHOTOSYNTHESIS?

WHY DO PLANTS NEED IT?

FACTS ABOUT PHOTOSYNTHESIS

Photosynthesis is a daily process in nature through which plants get the nutrients they need. Photosynthesis is the most important process for all living organisms, because during this time carbon dioxide is absorbed and oxygen is released. Ingredients for photosynthesis are: sunlight, carbon dioxide, water and minerals.



MAKING PHOTOSYNTHESIS MODEL...

Children usually love hand crafts, so during this experiment they cut cardboards, making the Sun and trees from the paper, glue them together and write down all the ingredients what does it absorb and release to Nature. In this joyful way they will remember one of the most important processes in nature for all living organisms.



GAMES FOR KIDS...



While gaining knowledge through the experiments is a fun process, children often get tired of learning, or just get bored with the process. So different games and energizers during the lesson are good helpers for children to regain energy and concentration. Sometimes it can do at the beginning and sometimes in the middle of the experiment. The specific situation shows what to do.



GAMES AND ENERGIZERS:

1. RAZ DWA TRZY BABA JAGA PATRZY – THIS IS ONE OF THE MOST POPULAR GAME AMONG POLISH CHILDREN. WHEN THEY ARE TIRED OR EVEN BORED, THEY ARE ALWAYS READY TO PLAY THIS GAME. THE GAME HAS SIMPLE RULES: ONE PERSON IS A MOTHER, WHO STANDS IN ONE CORNER OF THE ROOM AND OTHERS ARE STANDING ON THE OTHER CORNER, FAR FROM THE "MOTHER PERSON". WHEN THE MOTHER STANDS WITH HER BACK TO THE PLAYERS AND CALLS: 1.RAZ, DWA, TRZY, BABA JAGA PATRZY, THE OTHERS START MOVING IN THE DIRECTION OF THE MOTHER. WHEN THE MOTHER TURNS AROUND, ALL PLAYERS HAVE TO BE FIRED. WHOEVER MOVES WILL RETURN TO THE STARTING POSITION. THE WINNER IS THE ONE WHO FIRST REACHES THE MOTHER AND TOUCHES HER.



2. FRUIT SALAD – THIS GAME IS ALSO LOVED BY CHILDREN. ALL PLAYERS MUST BE COUNTED BY FRUIT NAMES. FOR EXAMPLE, APPLES, PEARS, BANANAS AND ORANGES. EVERYONE HAS THEIR OWN NAME. THEY SIT IN A CIRCLE WHERE THERE IS ONE LESS CHAIR. FIRST STARTS WITH ANY PLAYER WHO STANDS UP AND SAYS THE NAME OF ANY FRUIT, SUCH AS AN APPLE, AND ONLY APPLES CHANGE PLACES. THEN WHOEVER STAYS STANDING, SAYS THE NAME OF THE FRUIT, AND ETC. IF YOU SAY FRUIT SALAD, EVERYONE HAS TO SWAP PLACES.



3. TOUCH YOUR BODY PART TO THE COLOR – THIS IS VERY ENJOYABLE AND ALSO ENGLISH LEARNING ENERGIZER FOR KIDS. RULES: THE MUSIC PLAYS AND THE KIDS MOVE. THEN YOU STOP THE MUSIC AND TELL THE CHILDREN FOR EXAMPLE, TO TOUCH THEIR RIGHT HAND TO THE YELLOW. AFTER EVERYONE TOUCHED THE YELLOW THINGS YOU CONTINUE TO PLAY MUSIC. THEN STOP AND SAY ANOTHER BODY PART AND ANOTHER COLOR. SO WITH THIS ENERGIZER KIDS CAN REMEMBER COLOR NAMES AND BODY PARTS IN ENGLISH EASILY.

