



KinderGarten Budějovická, Krčská 316/39, 140 00 Praha 4

SUMMER PROGRAMME 2015

SCIENCE IS NOT A ROCKET SCIENCE
OR
SUMMER FULL OF DISCOVERIES



WATER AND AIR

7 - 8 JULY 2015

About the programme - What is in those places, where there is nothing?

In this part, six activities concerning air will be presented to children. In these activities the children will learn through simple experiments that things, objects and space that seem to be empty, really contain air. We can't see air, however, we can experience it indirectly by the ways it manifests itself. Wind or draught is a flow of air, the volume of air increases when heated and decreases when cooled, etc. We will try everything. We will verify it through simple experiments.



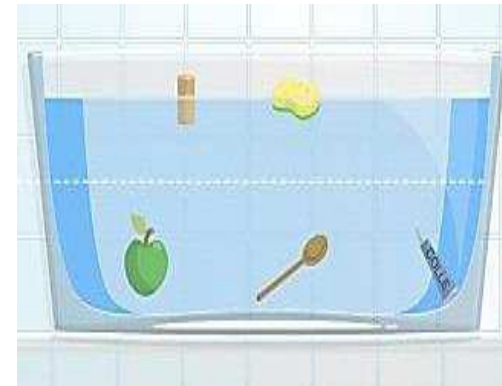
- What is in those places, where there is nothing?
- What happens when you open the door (or window)?
- Can we see air when it is invisible?
- What else can air do?
- What happens when air is heated?
- What happens when air is cooled?

WATER AND AIR

9 - 10 JULY 2015

About the programme - It floats or it sinks

In this part we will carry out four activities focusing on water properties. Through simple experiments children will learn and test the property of water to support various objects. Children will observe why some objects float while others sink. They will try to make a little boat from material, which doesn't "swim" and try to produce a diver. They will find out what circumstances it depends on whether an object floats or not and other interesting facts.



- Is it going to float or sink?
- Can we make a little boat from material that doesn't float?
- Do those objects that float have something in common?
- A diver in a bottle

BUBBLE SHOW

13 - 17 JULY 2015

About the programme -15 July, starting at 10 am

Bubble show is a unique project in the Czech Republic and Europe. It is an artistic performance, which requires sensitivity, accuracy, and considerable knowledge in the fields of physics and chemistry. This is such a unique performance that it can be hardly classified into disciplines such as art or sport and that's why it is so attractive. Try to imagine a bubble merry-go-round, a bubble within another bubble, smoking and burning bubbles or bubbles so large that a grown-up can be dressed in them and closed inside. And what's more, you can even see a square bubble!



WORKING WITH WOOD

20 - 24 JULY 2015

About the programme - 22 July, starting at 10 am

We have prepared a special workshop focused on working with wood. First, children will test their knowledge concerning the forest, trees, wood processing and protection of the environment. They will explore tools and machines needed to work with wood, each child will explore them and try them. Children will work with wood, hammer, sandpaper, paints and glue. They will be able to try to nail something, drill a hole and at the same time not to get injured during work.



LOUČEŇ CASTLE

27 - 31 JULY 2015

About the programme - 29 July, departure at 9 am

Loučeň Castle is an ideal place to relax for travellers seeking knowledge, entertainment as well as a romantic place. Our goal is to visit mazes and labyrinths connected by a precisely marked educational trail with extensive, thematic information on historical roots, but also on the present of the labyrinths and mazes.

We will learn that since ancient times the labyrinth has often played a mysterious role in various world cultures - from ancient Celts and Gothic cathedrals, including native cultures of the American continent. On our way across a unique castle park with an area totalling 23 hectares, we will gradually pass mazes and labyrinths made of beech, grass, yew, paving stones, palisade, stones, ropes, sandstones, fingers and alphabet characters.



TRILOPARK

3 – 7 AUGUST 2015

About the programme - 5 August, departure at 9.30 am

During a visit to Trilopark, we will get familiarized with real fossils but also accurate models of extinct animals, whose fossilized remains we will see in the showcases.

In those moments, we will become palaeontologists using real methods that scientists commonly use in their practice. We will make a casting of a creature that has been extinct for hundreds of millions of years, we will colour the casting and uncover a three-metre model of a dinosaur skeleton and much more.



PAPER AND STATIC ELECTRICITY

10 - 14 AUGUST 2015

What is all this made from (paper)

We will explore five activities concerning paper, its properties, use and production. Once again, everything will be based on simple experiments carried out by the children themselves. They will also try various observations.



- A paper detective - paper is not the same as other paper
- Absorption properties of different types of paper
- Can we have a paper shield?
- What is actually paper made from?
- Paper rainbow

Exploring materials

Practical and experimental teaching provides children with an opportunity to work with different materials and tools, rely on their experiments, observation, and reasoning. It is also important that it offers children an opportunity to ask questions, get to the bottom of things and understand them. This manner of teaching is playful and natural. It mainly aims at deepening children's interest in things and at understanding natural sciences.



- Materials around us
- Flower magic

Electricity in nature – static electricity

Various activities relating to static electricity. Children will try easy, completely safe experiments with static electricity such as diverting the stream of water running from the tap, collecting pieces of paper using a straw, rolling a tin and other. On the following day there will be a race of aluminium foil boats, additional activity For Cinderella and finally, an instruction and its experimental verification about how to use static electricity to attach objects to the wall.



- Static electricity around us (water, hair)
- What may be a balloon good for
- Can race
- Steering an aluminium foil boat
- In aid of Cinderella
- Magic glue

WHERE WILL WASTE LAND

17 - 21 AUGUST 2015

About the programme - 19 August, starting at 10 am

Why are there coloured containers and what belongs in them? What happens next with waste from my snack pack and can something new come out of it?

Children will explore snack packaging and think about its further fate. Together with Mr. dustman they will learn what belongs in different coloured containers and find out what happens to waste after sorting. During the programme they will make a doll out of waste.

Children will learn how to:

- Recognize and sort out the basic types of waste
- Describe the path of waste from the garbage can and coloured container
- Justify why it is better to recycle waste and not to dump it on landfills



DANCE EVENT AND BALLOON SHOW

24 - 28 AUGUST 2015

About the programme - 26 August, starting at 10 am

Mireček, the clown and his friends will prepare a super disco show to celebrate the end of the holidays with the children. Children will be immediately drawn into the dance. The entire program will be governed by the slogan “Those who can’t will just learn it” Mireček and his friends offer advice and show how to perform the dances. One piece of music follows after another, and successive dance creations just follow each other. Children will learn not only to dance, but also to recognize musical instruments. At the end, children will see a balloon show.

