

**Christmas<sup>®</sup>**

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Developer and manufacturer is  
CJSC Christmas+

**Set for observation and experimentation with natural objects**

**"Preschooler"**



**OBSERVE – EXPERIMENT – PERCEIVE**

### Purpose and scope of application

A new product from "Christmas+" – "Preschooler" set for observation and experimentation with natural objects, is designed to equip practice-oriented lessons with older preschool children, aimed at expanding their ideas about objects and natural phenomena.

Set is a didactic-methodical kit, including a selection of the simplest equipment, reagents, utensils and accessories, as well as a methodological manual – a guide for the nursery school teacher / parent and didactic materials on a digital medium.

The contents of the set allow to use it when working with children in a kindergarten group, during a walk, on excursions to nature, when implementing family education, etc.

### The use of the set promotes

- an increase in children's interest in the subject of research and increases their motivation for independent research of environmental objects using methods available to them;
- the child's understanding of some of the causal relationships that objectively exist in nature;
- development of control over voluntary attention in children;
- development of children's thinking (from visual-effective to visual-figurative, and then to verbal-logical), etc.



Preschooler set



Methodical manual guide

### Features

**"Preschooler" set for observation and experimentation with natural objects:**

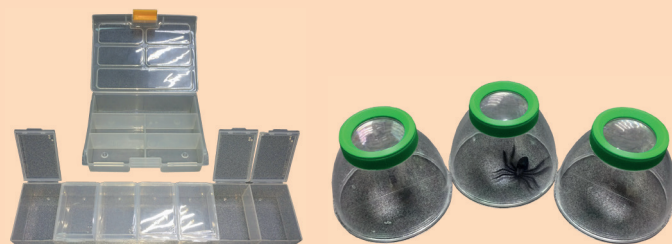
- represents a new universal means of acquainting children of senior preschool age (from 5 to 7 years) with nature through the inclusion of elements of practical research into play activities in order to form the foundations of ecological culture in children;
- is a ready-made integrated solution for practical work that does not require additional material training, service personnel, power supply, creating tangible savings in time and money;
- is designed to help nursery school teachers and parents, taking into account the psychophysiological characteristics of the development of children in this age group;
- is applicable in the implementation of comprehensive educational programs corresponding to the Federal State Educational Standard of Preschool Education ("From birth to school", "Origins", "Childhood", "Success", "Rainbow", etc.), as well as a variety of partial environmental-oriented educational programs ("Nature is our home", "Young ecologist", etc.);
- helps children to get information about the world around them, to see how various natural objects and phenomena are interconnected, how human activity in the environment affects his life and health;
- the use of the set in conjunction with the manual and didactic materials on a digital medium will be useful for the nursery school teacher / parent when working with older preschool children in their preparation for school.



Open set



Closed set



Some of the samples included in the set

## Contents and main characteristics of the set

1. All observations and experiments performed with the use of equipment and consumables from the set are simple and accessible for the perception of older preschool children. The work is carried out according to the methods described in detail in the attached manual.
2. Set allows the nursery school teacher to carry out research activities with children of senior preschool age in a wide range of areas of study of the surrounding natural world:
  - 17 different observations in nature and observation of individual natural objects (seasonal phenomena, plants, insects);
  - 38 experiments with objects of animate and inanimate nature (15 experiments with water, 7 experiments with air and soil, 9 experiments with magnet and light, 3 experiments devoted to human food hygiene, 4 experiments are devoted to demonstrating the amazing chemical properties of certain substances).
3. Set contains simple accessories, utensils, non-hazardous reagents and materials, and other equipment.



### Set does not contain harmful and hazardous substances!

The set also includes a methodological manual for nursery school teachers and parents “Doing, observing, learning: observing and experimenting with the natural objects in kindergarten”, as well as a digital carrier with a multimedia version of the manual and additional materials.



### The experiment accessories provided in this set are not toy imitations. They are real.

4. All observations are organized and carried out under the guidance of a nursery school teacher / parent.
5. Experiments can be performed both by adults and be exclusively demonstrative and observational in nature, and by children in a group or individually, under the supervision and guidance of a nursery school teacher / parent and be an element of free children’s experimentation.
6. At the discretion of the nursery school teacher / parent, some of the observations and experiments can be offered to children of younger preschool age (3-4 years). In this case, the completeness of their application is determined directly by a nursery school teacher / parent.

#### • Sales office CJSC Christmas+

191119, St. Petersburg, K. Zaslouova str., 6

Tel.: (812) 575-50-81, 575-55-43, 575-57-91, 575-54-07

Fax: (812) 325-34-79 (24 hours a day)

E-mail: [info@christmas-plus.ru](mailto:info@christmas-plus.ru)



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