

Dear parents,

During the months of April and May, as part of the Skills Workshops, we continue with the theme: "STE(A)M and Educational Robotics through the Cycle of Water and Hydrodynamics". These workshops are part of the thematic area "Create and Innovate - Creative Thinking and Initiative" and more specifically of the: "Robotics, STEM/STEAM, New Technologies."

The purpose of this workshop cycle is to introduce kindergarten students to topics related to science, mathematics, engineering, and technology.

The main goals of this program are for children to:

- Understand the characteristics of learning through problem-solving.
- Design and develop a program.
- Practice algorithmic thinking.
- Develop orientation and measurement skills.
- Seek solutions to everyday problems, such as the water cycle and Hydrodynamics

Indicative activities

Reading books and relevant fairy tales (e.g., "The Journey of Water Drops").

Dramatization of the water cycle.

Creating a model of the water cycle.

Hypotheses and experiments with various materials and their solubility in water.

Creating a puzzle that describes the water cycle in chronological order (drawing, cutting and assembling).

Presentation to children of the Bee-bot robot, the commands they can program and the directions it can move.

Programming by students of the Bee-Bot robot to follow the path of the water cycle.

Invitation to Parents

Your participation is welcome in this thematic unit of Skill Workshops. You can discuss with the class educators any ideas you have for activities or about providing related materials, such as relevant books or educational games.