



PROJECT

TANGRAM: EXPLORE THE FORMS AND PLAY WITH SPACE

Destinatari : pupils first classes (sections E – F – G – H)
Teachers tutor: Venuso Maria – Luiso Annunziata

Date: from March to April, 2013

Focus on:

the game of Tangram that allows you to make many concrete experiences on the plane geometry and to facilitate the gradual transition from intuitive geometry to the rational one. At the same time, as an instrument of play, it is suitable to stimulate children's curiosity. Also get used to the perseverance, stimulates invention, creativity and imagination.

Educational objectives

- Stimulate listening, observation and attention.
- Encourage creativity and imagination.
- Develop ability to express ideas and emotions accepting those of others.
- Stimulate ability to collaborate and interact positively with the group.
- Activate attitudes of respect and responsibility towards others and to work together.
- Solve simple problems of a practical nature.

Aims and skills

- Explore, describe and represent space.
- Recognize and describe the main geometric figures in the plane and space.
 - Design and construct plane figures by combination of standard shapes.
 - Acquisition concept equiestensione

Activities' description

Center activities is the game of TANGRAM. The teachers prepare the material: large billboards on which are represented the seven tangram pieces. The kids cut out the pieces, recognize and count the different geometric shapes (5 triangles of various sizes, a square and a parallelogram) and, using all the pieces and by approaching each other, build various figures, stimulating imagination and creativity.

Pupils carry out the planned activities in small groups, in which there are the children of the four sections that alternate between them. Children of different groups cooperate and divide the various tasks in order to achieve a common goal.

CHECK

The teachers observe the behavior of the pupils and in various stages of the work, assessing the degree of interest and curiosity aroused in children.

Evaluation criteria:

- a) skills related to individual disciplines (knowledge, understanding, editing)
- b) general cognitive skills (ability to produce solutions, to plan work, to put into practice)
- c) attitudes (participation in group work, ability to interact with others, commitment to complete the assigned tasks, autonomy in the execution phase, respect of the environment and common materials).

MATERIALS PRODUCTS

The teachers document the various stages of the work and the path made by the pupils, through a Power Point presentation

- All work (figures made with the pieces of the Tangram) will be sent to the exhibition to be held in April in Vienna, at the primary school VS & GTVS in Wichtelgasse.

Maria Venuso

Annunziata Luiso