

Erasmus - project - winter - snow, 25.1.2017

STEM-Bereich: mathematic - geometric

Contents of curriculum

Learning area: 1/2 und 3/4: space and form

1. name and demonstration of geometric figures

-> definition of hexagon

2. discription of geometric images

- to discribe characteristics of symmetry with respect to a line

- to make figures of symmetry with respect to a line

3. to examine and to make geometric pattern

- to name, discribe and continue the principales (for example repetition) in geometric pattern

Station1: (age 6/7)

To make snowflakes with needle

Pattern, underlay, needle

➔ to compare the different snowflakes

➔ differences and similarity

Station 2: (7/8)

Puzzle of parts of different snowflakes in teamwork

➔ to see the principales of hexagon

➔ To designe a snowflake yourselve

Station 3: (8/9): a part of a snowflake per each person, mirror, paper, ruler, pencil

To designe a complete snowflake with a mirror

To see the symmetry with respect to a line

➔ To designe the snowflake with a partner

➔ Aufzeichnen in Partnerarbeit

Station 4: (9/10): a part of a snowflake per each person, scissors, paper, ruler, pencil

- to designe a complete snowflake

- to fold the snwoflake

- which folding do you need for a hexagon

Station 5: newspaper, pattern of snowflakes, scissors

Cutting out snowflakes after folding it