

# Lesson Plan – Origami and Geometry

## Goals:

This exhibit invites the participant to work on or develop various geometric concepts, logic, spatial visualization and fine motor skills.

## Suggestions:

The activity can be used as an introduction to geometric figures and solids.

## Commented description of materials to be used:

The exhibit has origami instructions and paper sheets. Those instructions guide the participant along a path that can start in a rectangle and end in a square or go from that same square to an equilateral triangle.

## Suggestions:

Instead of buying or using new sheets of paper it is possible and recommended to use waste paper (from magazines, newspaper).

## Strategies:

The participants should have the same time to understand the language of the instructions, some people can easily understand those but find it difficult to perform the task. They should receive at least 5 sheets of paper despite there only being 2 activities, so they understand they can fail and try several times.

## **Appraisal / Evaluation of Students:**

We use different geometric analogies and properties of the geometric figures used.

## **Assessment of lesson:**

We compare the competences of the participants while folding the geometric figures, if they understand all the steps, if they are able to implement those. Also, we qualitatively try to understand if the participants are able to apply the concepts they learned during the activity.

## **Closure:**

Overview of activity and key points, feedback from learners for further improvements and/or adjustments to be made.