

Lesson Plan – Drawing Dice

Goals:

Exercise and improve 2D geometry skills.

Suggestions:

It can also be used to understand the concepts of congruence, similarity and symmetry of 2D shapes.

Commented description of materials to be used:

Drawing Dice consists of four equal dice with simple designs on each face that together are used to make different geometric shapes.

Suggestions:

Options to create the dice include paper, wood or a 3D printer.

Strategies:

After experimenting with creating the shapes portrayed on the board, we prompt learners to consider the smallest and largest figures, their area and perimeter. We use the pieces from the Chinese Tangram to apply the concepts learnt with new shapes and encourage the comparison and analysis of their shapes, areas and sides.

Suggestions:

Prompt learners with different questions on the characteristics and classification of geometric shapes, comparison of shapes and areas and their relations.

Appraisal / Evaluation of Students:

We differentiate between the assembly of the 2D shapes.

Suggestions:

A series of questions can be made on how these connect to real-life examples.

Assessment of lesson:

We compare the competence of the learners in creating 2D shapes at the beginning and the end of the lesson. Also, we qualitatively try to understand whether the learners can differentiate between shapes and their characteristics.

Closure:

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