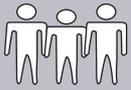


TOWER OF STRENGTH



OBJECTIVES

Discover different ways of creating a stable structure
Build a tower with various building styles

KEY CONCEPTS

Building methods
Problem solving
Team work
Logical reasoning

PROCEDURE

Begin with a discussion on towers and buildings. Which notable ones can they name from your region / country ?

Ask pupils to describe at least 3 different ways of building with KAPLA.
Divide pupils into small groups (2-4 is ideal) - each group gets 200 planks.
Pupils must make a tower using the 3 different building techniques.
Allow pupils sufficient time to explore and experiment (20-30 min).

Once they have grasped the various building methods, extend the activity to building as high as possible with a limited number of planks, or reaching a predefined height as fast as possible.

MAKE IT EASIER

Make towers by placing the planks on their flat side
Show pupils different examples of KAPLA towers

MAKE IT HARDER

Build a tower that stands on only one plank
Build a tower stable enough to transport through the class

CRITICAL THINKING QUESTIONS

What were the challenges that you had to overcome?
Is your solution similar or different to others? Why? How?
Describe any successes/difficulties that you had.
How could you make a tower as tall as you? As your teacher? The room?

3-5 yrs

5-7 yrs

7-9 yrs

9-11 yrs

11 yrs +

Creation

Mathematics

Geometry

Architecture

Cognitive skills

Motor skills

Social skills



60 min



per group : 200

Preparation :

Print out examples of real towers and of KAPLA towers to use as reference

TOWER OF STRENGTH / EXAMPLES

