

A SUGAR CUBE PYRAMID

Level: Primary 3rd year (Social Science)

Time: 2 sessions

Materials:

- ❑ sugar cubes (150-200 pieces)
- ❑ glue
- ❑ sand
- ❑ ruler
- ❑ shoe-box lid
- ❑ plasticine

Ancient Egyptian Pyramids



Mark Brodtkin Photography/Moment

FUN FACTS

- ❑ A total of 138 pyramids have been discovered in Ancient Egypt.
- ❑ The Great Pyramid of Giza points very precisely to the north.
- ❑ Scientists estimate it took at least 20,000 workers over 23 years to build the Great Pyramid of Giza.
- ❑ The pyramids of Egypt are all built to the west of the Nile River. This is because the western side was associated with the land of the dead.
- ❑ The base of a pyramid was always a perfect square and they were built mostly of limestone.
- ❑ The stones used to build the pyramids weigh about 5-10 tons per piece. Like an elephant!
- ❑ There were traps and curses put on the tombs and the pyramids to try and keep robbers out.



**Basic description:**

During today's session we will create a Sugar Pyramid based on the Ancient Egyptian Pyramids. We have to tell the pupils in advance to bring the necessary materials, in this case, sugar cubes and a shoe-box lid. We will start by presenting fun facts about the Egyptian Pyramids and we find out what the pupils already know. After this short introduction, we will explain the following steps.

Lesson Plan:

First session: (15 min) Explain and talk to your children about the Pyramids.
(30 min) Steps 1-3 should be completed in the first session.

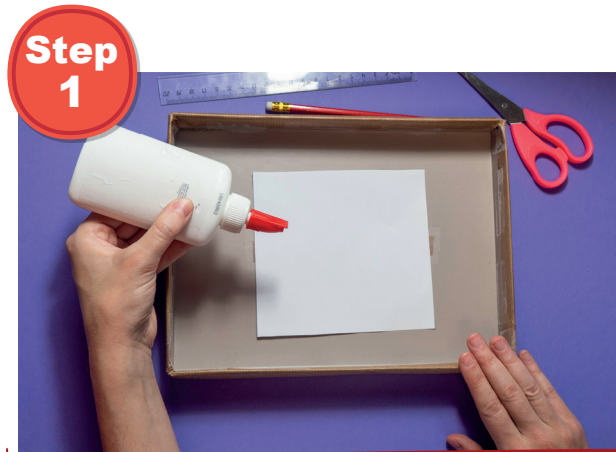
Second session: (30 min) Steps 4-5 should be completed in the second session.
(15 min) Close the session with a game related to the topic.

Game:

Play a game based on invented hieroglyphs. Ask each pupil to create a word with their own hieroglyphs. Each letter has to link with the first letter of their drawing. Once the word is decided, the pupil will draw it on a piece of paper and later on the class board for their class-mates to guess.

Learning Outcomes:

- ✔ Creates three-dimensional works of art with different materials.
- ✔ Plans the process to select how best to carry out the project.



Step 1

Cut out the square and use it as the base for your pyramid. Glue the square in the middle of the shoe box cover.



Step 2

Make a sugar cube square. Glue down each sugar cube using white glue.



Step 3

Add the second layer to the pyramid and continue adding layers.



Step 4

Let the glue completely dry.



Step 5

Add sand and some decorations with plasticine.