


ARCHAEOLOGY

EGYPTIAN PYRAMID

Experiment Manual



 Thames & Kosmos®

SCIENCE EDUCATION SET

WARNING — This set contains chemicals that may be harmful if misused. Read cautions on individual containers carefully. Not to be used by children except under adult supervision.

Kit Contents



No.	Description	Qty.
1	Pyramid with removable top	1
<i>Buried inside the pyramid:</i>		
2	Mummy	1
3	Sarcophagus	1
4	Death mask	1
5	Canopic urns	4
<i>Tools:</i>		
6	Hammer	1
7	Brush	1
8	Chisel	1
9	Plastic peg	1
10	Sponge	1
11	Die-cut sheet	1
12	Safety goggles (Not shown)	1

Table of Contents

Tomb for Ancient Egyptian Kings	2	The Apple Mummy	8
Cheops or Khufu?	3	Pyramid Explorers and Grave Robbers	9
A Hidden Entrance	4	What Is Archaeology?	10
Hieroglyphs: Ancient Symbols	4	Your Own Archaeological Dig	12
Your Hieroglyph Tablet	5	Inside the Great Pyramid	14
Breaking into Your Pyramid	6	The Pharaoh's Defense Against Grave Robbers	15
The Secrets of Your Pyramid	7	The Queen's Chamber	15
Golden Sarcophagus and Mask	7	A Chamber Fit for a King	16
The Artifacts Buried Inside Your Pyramid	8	Secure as a Bank Vault	16
Mummification	8	The Secret of the Hidden Rooms	17

Breaking into Your Pyramid



Have you found the inscription marking the entrance? Let's open the pyramid!



Use the hammer and chisel tools to carefully expose the opening mechanism. It will be located behind the inscription, between the third and fourth hieroglyphs.



After a few soft taps of the hammer and a quick scrape of the chisel, you will see the round indentation of the opening mechanism.



Insert the plastic peg into the round indentation and tap the locking bolt into the pyramid with the hammer.



Then, loosen the entire lid of the pyramid with a few careful taps of the hammer and chisel around the lid.



Once you have loosened the lid, you can slide it to the left.



After that, you can carefully lift off the lid. You have opened the pyramid!

Save the small plastic peg that fell into the pyramid, in case you want to seal your pyramid again. You can insert it through the two holes of the opening mechanism to lock the lid in place.

The Secrets of Your Pyramid



Inside your pyramid, you will find discoveries reminiscent of the artifacts found in the tombs of ancient Egyptian pharaohs. Imagine that over thousands of years, the hot desert wind has blown sand through the slits in your pyramid. Now everything inside is buried deep under sand. To excavate the artifacts, you can use the hammer, chisel, pick, and brush tools in this kit.

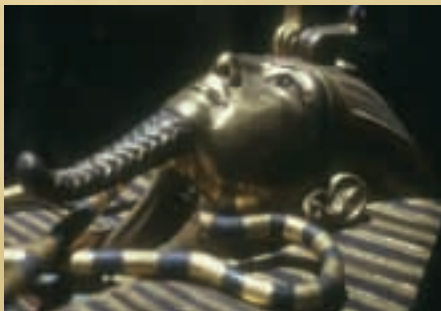


How to Excavate

Remove the sand carefully, layer by layer, from your pyramid. As soon as you touch upon something gold or white, you will have to continue very patiently, just like an archaeologist, in order to avoid damaging your discoveries. After finishing your cautious groundwork, you can begin to retrieve the treasures, one after the other, from the pyramid. Then clean them carefully with the damp sponge. You can also "restore" them by painting them with colored markers. Ordinary felt-tip pens will work on the white surfaces. A blue or black permanent marker will work better on the golden surfaces.

Golden Sarcophagus and Mask

The sarcophagus in your pyramid is modeled after that of the Pharaoh Tutankhamen, instead of Khufu. We have taken some artistic liberties with this pyramid model, because the wrong pharaoh is buried inside. You will learn on page sixteen what we know about Khufu's sarcophagus. Tutankhamen's sarcophagus was made out of pure gold. The beautiful decorations on the casket and the sheer abundance of gold and jewels were surely intended to emphasize the importance of the deceased individual. In addition to their richly decorated coffins, a lot of



pharaohs were buried with valuable death masks. One such mask, the most famous in the world, served as a model for the death mask located inside your pyramid. It comes from the tomb of Tutankhamen discovered in 1922 in Egypt's Valley of the Kings by the English archaeologist Howard Carter.