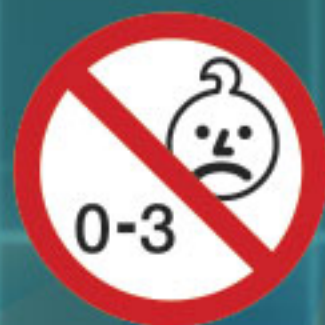


EXPERIMENT MANUAL

MINERALS Rock!

**Collect
them all!**



WARNING! Not suitable for children under 3 years. Choking hazard — small parts may be swallowed or inhaled. Read the instructions before use, follow them and keep them for reference. Keep the packaging and instructions as they contain important information.

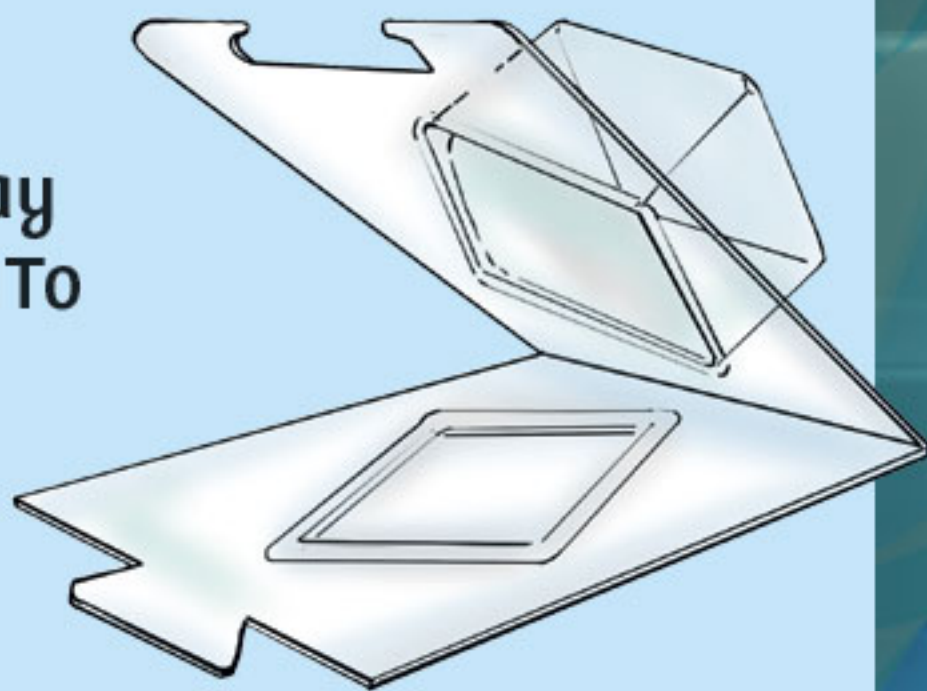
Amethyst: Part No. 775 309

601805-02A-280917

COOL! The blister packaging that allows you to see your collectible mineral specimen even before the package is opened will become your very own mini-display case for use at home. Whenever you are not handling and examining your mineral, return it to the transparent box. That will protect it from dust and from little brothers or sisters. As an added bonus, it will be in a presentation box that can be used in all sorts of ways for your own mineral exhibitions.

1) Place the mini-display case on a shelf or desk. To make the presentation even better, cut the golden package insert to fit neatly inside the plastic box.

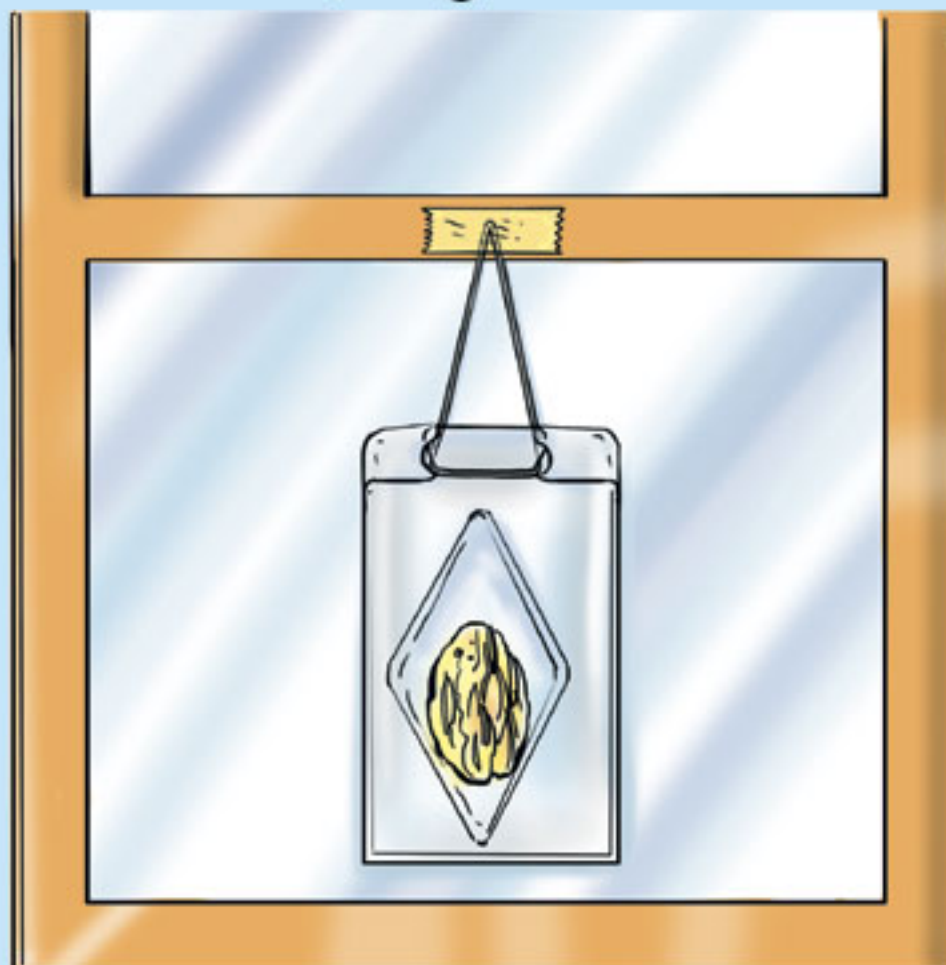
Then, when light falls on your mineral specimen, the light reflecting off the gold foil will make it look even more beautiful!





Cut out the name tag for your mineral from the back of this manual, fold it on the dashed lines, and glue it on the bottom with some hobby glue. (Handle the scissors carefully. Adult supervision required.) Place it next to your mini-display case.

2) You can also hang the presentation box in the window with a piece of string for a different kind of mineral specimen display!



YOUR MINERAL COLLECTOR'S SERIES

With the Thames & Kosmos mineral collector's series, you can assemble your very own mineral exhibition. Each mineral specimen is a choice collector's piece, an especially beautiful stone of a respectable size. Depending on the mineral, it may be a rough stone or a ground or polished specimen ("tumbled stone").

The series contains 12 minerals in all:

Amethyst

Aventurine

Quartz Crystal

Blue Quartz

Fuchsite

Picture
Jasper

Obsidian

Rose Quartz

Red Jasper

Desert Rose

Sodalite

Snowflake
Obsidian

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Glue here

Amethyst

KOSMOS

The mineral in this kit:

Amethyst

Would you like to learn more about your mineral? If so, the following information is for you.

WHICH MINERAL GROUP DOES MY STONE BELONG TO?

Amethyst belongs to the large quartz group. Quartz consists primarily of silicon dioxide, which contains the chemical elements silicon and oxygen. These two elements form a crystal lattice as the basic structure of the mineral.

WHERE DOES THE COLOR OF MY MINERAL COME FROM?

The crystal lattice of amethyst has particles of iron incorporated within it. These particles are electrically charged and are therefore called iron ions. In amethyst, these ions were exposed to a natural radiation during earlier geologic

eras. Amethysts can range in color from light purple (almost pink) to an intense dark purple.



Rough amethyst stone

WHERE CAN MY MINERAL BE FOUND IN NATURE?

Although amethyst is relatively easy to find, large, clear, and beautiful specimens are rare. They can sometimes be found in hollow spaces inside rock, or geodes. The greatest number of beautiful amethyst geodes are from Brazil.

WHAT FORM DOES MY SPECIMEN HAVE?

Your amethyst is an unpolished rough stone.

WHAT IS AMETHYST USED FOR?

Amethyst is a very popular gemstone, with the more common, smaller pieces usually smoothed and polished in special machines called rock tumblers and used for necklaces, brooches, and pendants. Large and small geodes are also valued as attractive display specimens.

TRADITIONAL FOLK BELIEFS

Some people believe in the healing effects of minerals. Among these people, amethyst is said to have a calming, stress-reducing effect and to improve concentration. In astrology, amethyst is associated with the zodiac sign Pisces.



Amethyst geode