

## book39 ~ Scientific Collections (1:12 dollhouse scale)



### Required tools and supplies:

- X-acto knife and fresh blade
- A thin metal straightedge ruler. Make fold lines by pressing against edge of the ruler.
- Scissors and tweezers
- Good cutting mat. Cardboard will ruin your blade and your project.
- Fast-grab, quick-dry white craft glue that dries clear
- An acid-free glue stick
- Small piece of aluminum foil to use as a glue pot
- Slender artist's paintbrush to apply glue
- A sheet of acetate or clear food container
- Optional: Items for shadow boxes
- Optional: Ball-point tool made for clay work. This works great to make a bas relief effect. Use 1/16" thick balsa wood to sandwich in fossil boxes.



### Fossils

1. Included in the booklet are flat images of the fossils for practice/back up/pattern for balsa.
2. Use the "ball-point tool or other tool you may have to emboss/bas relief the fossils.
3. Cut pieces of balsa to sandwich in the fossil boxes.
4. Fold boxes and check size of the balsa inserts.
5. Paint glue to entire fossil box and enclose the balsa piece.

### Shadow Box Assembly

1. Cut pieces. Use the pattern to cut a piece of clear plastic for the window. Bakery containers are a terrific source of sheet acetate.



2. Fold the top and bottom of the case as shown.



3. Glue the corner tabs found on both the top and bottom piece. Glue tabs to the interior of the adjacent sides.



4. Glue down the sides' lining panels to the interior of both pieces



5. Glue the cut piece of acetate into the open window. Glue into place the faux frame for the inside of the lid.



6. Glue the loose tab-panel found on the back of the lid to the back outside side of the box bottom. This gives a hinge effect



7. There are enough flat inserts for the 4 boxes. Purchase a clear dimensional paint to give your flat items a 3d look. If you prefer, create your own inserts using the blank colored inserts for rocks, gems, tiny shark teeth, tiny shells, etc. See the tutorial in the on-line library for tips on cutting tight spots, if you want to cut the butterflies and moths.



Here are samples of what you can put in the shadow boxes.



### Historic Coin Folio

1. Fold in half and glue blank sides together.
2. Fold as shown in the photos.



### Kennedy Coin Collectibles

1. Make a pouch by glueing the sides tabs to the inside blank surface of the front.
2. Fold the coins panel in half and glue the blank sides together.
3. Place inside pouch.



### Nickel Collection Portfolios

1. Cut units, fold in half and glue blank sides together
2. Fold as shown.



### Stamp Sheets and Folio

1. Cut main piece and fold in half. Glue blank sides together.
2. Fold upward the "ledge" and fold at designated line as shown. This gives you a folder to put the sheets of stamps into.



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