

General Instructions

If you work slowly and carefully, you can build an excellent Deep Impact model. Practice the techniques described below if this is your first experience with paper modeling.

Tools You'll Need

- Small scissors with 1–2 in. blade or a mat knife with a new blade
- A scriber (available at hobby stores) or large sewing needle (or you can use the back of the mat knife)
- Pencil or dowel
- Metal ruler
- White glue
- Glue stick
- Wax paper
- Heavy book
- Cutting board or cardboard

The Parts

The model has five major parts. Each part has an instruction page. Build the parts in the order they are lettered (A–E).

Building Techniques

1. Scoring

BEFORE cutting out the parts, you must score them. Scoring slightly weakens the paper, making it easier to fold. To score:

- a. Lay the part page on a cutting board or cardboard to protect your furniture.
- b. Find where a fold is marked on the part with a dashed line (---).
- c. Carefully line up the ruler with the dashed line.
- d. Use a scriber, sewing needle, or the back of the mat knife to gently draw along the ruler.

2. Cutting

Carefully cut out the parts with scissors or with a mat knife and ruler.

Caution: Mat knives are extremely sharp!

3. Folding and Rolling

BEFORE gluing any parts, fold or roll them and check their fit. Rolling makes it easier to assemble cylindrical parts such as the telescopes. To roll, cut the part out and then roll it around a pencil.

4. Gluing

Apply glue sparingly; too much glue will warp the parts. You may want to apply glue to very small pieces with toothpicks.

Note: Use white glue for the best results. Only the solar panel requires the use of a glue stick.

