See Through

Purpose:
To determine how Saturn can be seen through its rings.

Materials:
- Scissors
- Black marking pen
- Ruler
- Straight pin
- White poster board
- Pencil
- Glue

Procedure:
- Cut 3 strips from the poster board that are each 1 x 6 inches (2.5 x 15 cm).
- Evenly space the strips so that their centers cross.
- Glue the centers of the strips together.
- Use the marking pen to make two marks across the ends of each strip.
  - Start the first mark 1/2 inch (1 cm) from the end of the strip and make
  - the second mark 1 inch (2.5 cm) from the end.
- Insert the pin through the center of the strips. Use the pin to enlarge the hole
  so that the paper blades easily spin. Then stick the end of the pin in a
  pencil eraser.
- Spin the paper blades.
- Observe the spinning blades.

Results: Two black rings are seen, but you can see through the
spinning blades.