How to build a Solar Tracker

Supplies:
Four (4) solar modules
Sticky back velcro squares
Wood popsicle sticks
DC motor with black/white cable
(attached to a wood board)
Glue gun

Directions:

1. Arrange the four modules with the solar face on the table, 1/4” apart. Label them A, B, C, and D.

2. Cut the hook section of each velcro square two create to rectangles. Attach them to both the top and bottom of each panel. Place the loop section of the velcro to connect the four panels in a line.

3. Attach module A to B, B to C, and C to D with the velcro.

4. Gently pick up the module train and bend into a house shape. Glue a wood popsicle stick between between the top of module A and D. Add two to three more popsicle sticks to ‘close’ the house shape. Do not glue one on the bottom of the house.

If the red and black cords are in your way, move them in between the modules while you glue.
5. Use several popsicle sticks to build the solar tracker base with the glue gun. When you place the top two center sticks, make sure there is enough room to fit the white motor stick.

6. Place a ‘blob’ of glue in the center of the base, between the two top sticks. Fill the motor/block to glue the white motor stick to the base.

   IMPORTANT - make sure the block is parallel to the table as the glue dries so the base does not bump the motor when it rotates.

7. Place the ‘solar house’ on top of the base. Trace the end of the house to plan where to place the glue.