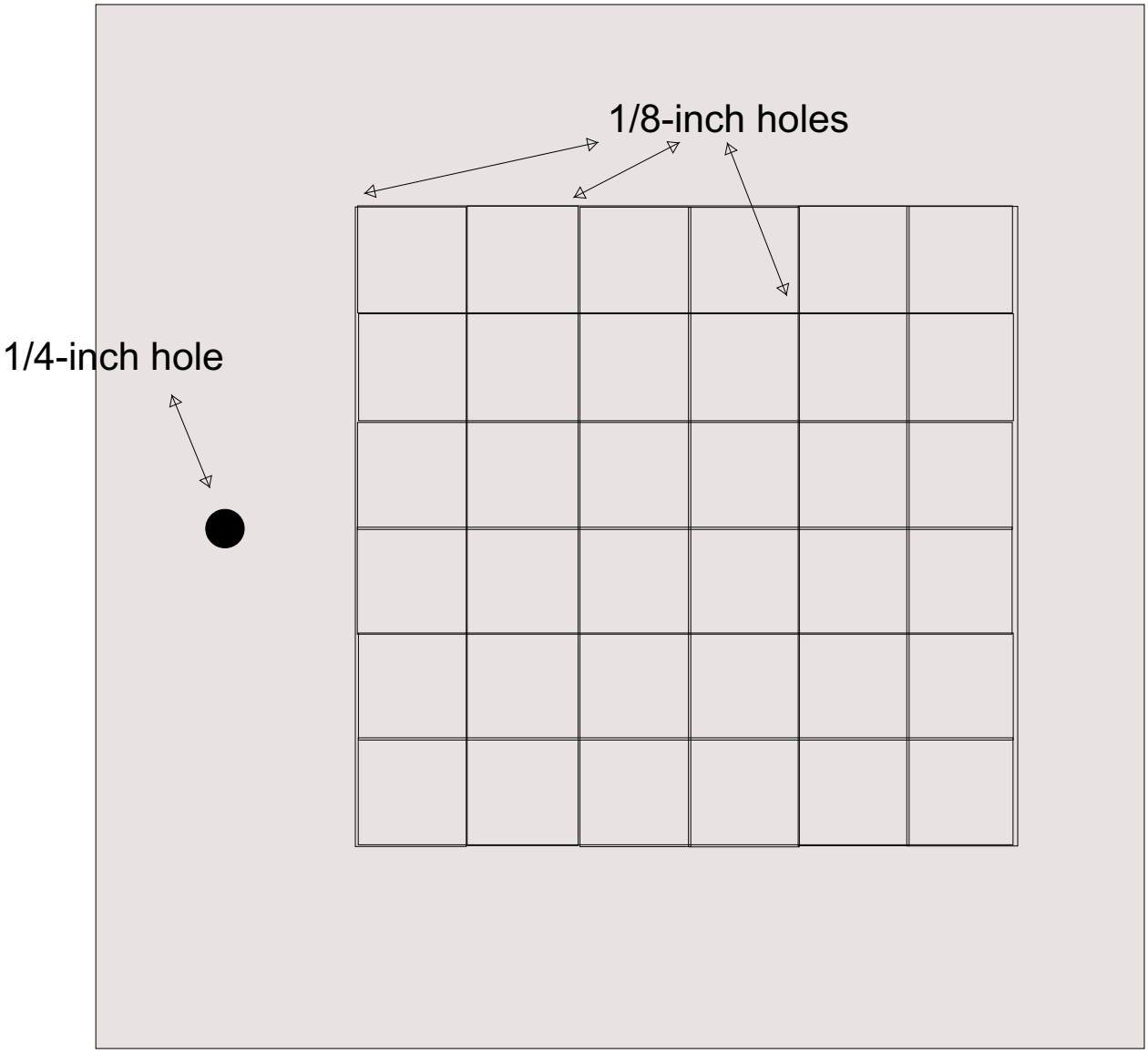
How to make “Matchstick Forest” model for *FireWorks*
(Activity 3-4 in curriculum, pp. 43-48)

1. Cut 4 squares of 1/4-inch masonite, 6” on a side.
2. Cut out the pattern below and attach to the masonite with clamps or rubber cement.
3. Using a 1/8-inch drill bit (or #30), drill a hold through the masonite at each intersection in the grid below.
4. Using a 1/4-inch drill bit, drill a hole through the masonite on the large black dot.
5. Obtain 1/4-inch bolts, nuts and washers. Three bolts should be 4 inches long, three 2.5 inches long.
6. Obtain 4 small nails, to be used to poke burned matches out of boards.
7. Store in a baggie, cloth bag, or box.