

# 3D Empire State Building



## YOU WILL NEED:

### Pegboards:

2 large squares

### Other:

Scissors and clear tape

Iron and ironing paper

Tweezers

Quick-drying adhesive

### Bead Colors:

○ Light Grey - 590

● Grey\* - 4477

● Dark Grey - 543

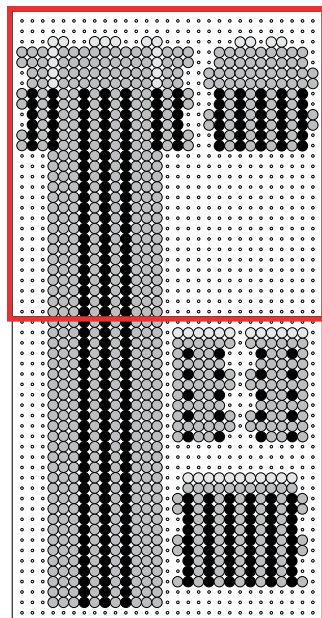
● Black\* - 2236

\*Requires multiple bags: we recommend the 6000-bead bag

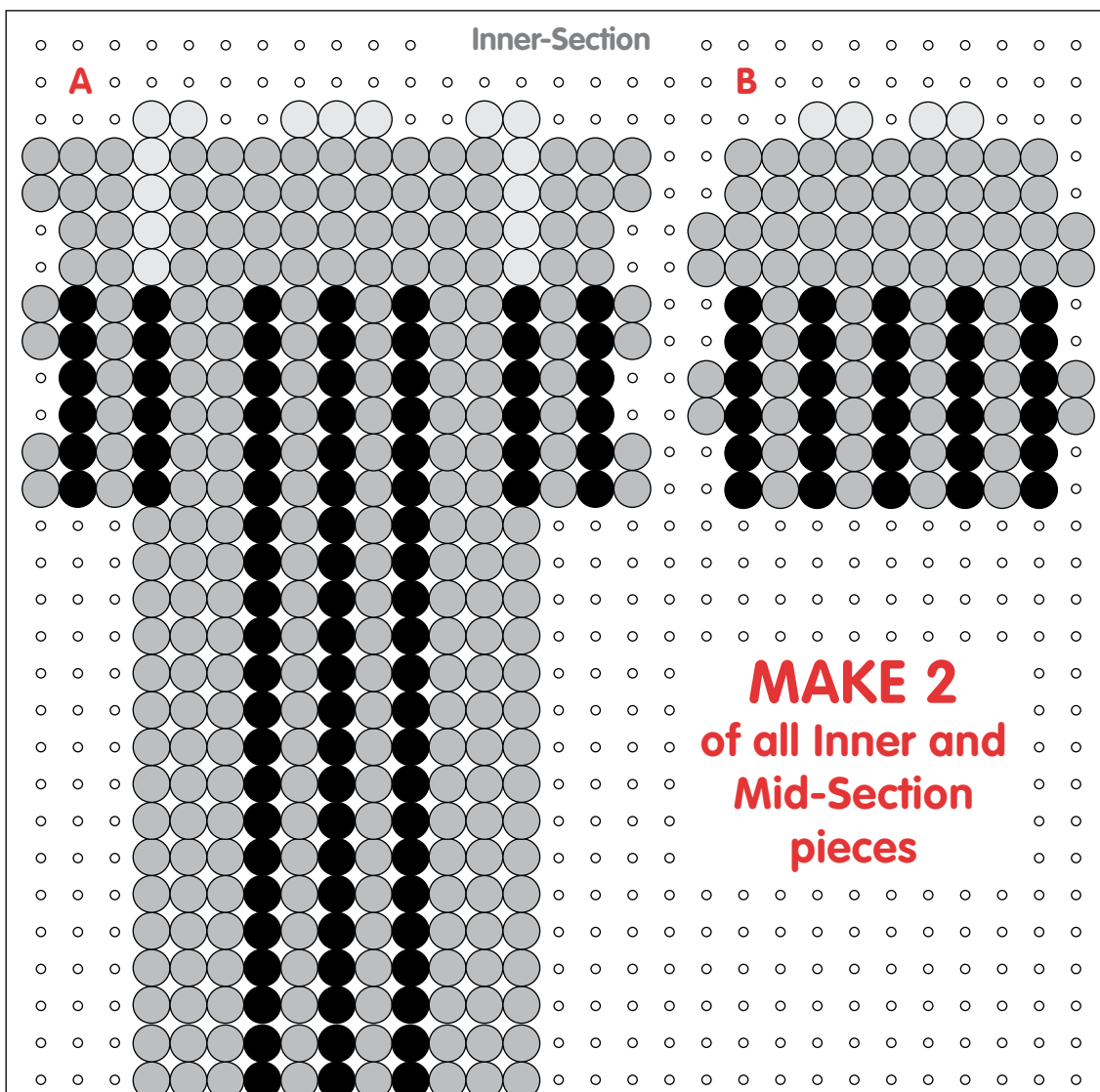
## Instructions

1. Several of the patterns require you to connect the two square pegboards vertically. Cut out the patterns and tape together in the same orientation. If you are using clear pegboards, slide the actual-size pattern underneath them. Place your beads on the pegboards as shown.
2. Ask an adult to fuse your designs—see page 12 for further instructions.
3. Assembly: see page 12.

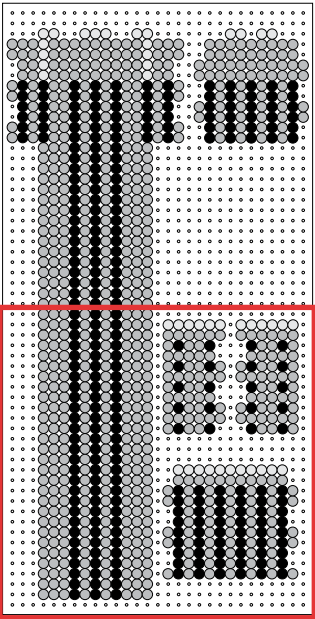
## Inner and Mid-Sections



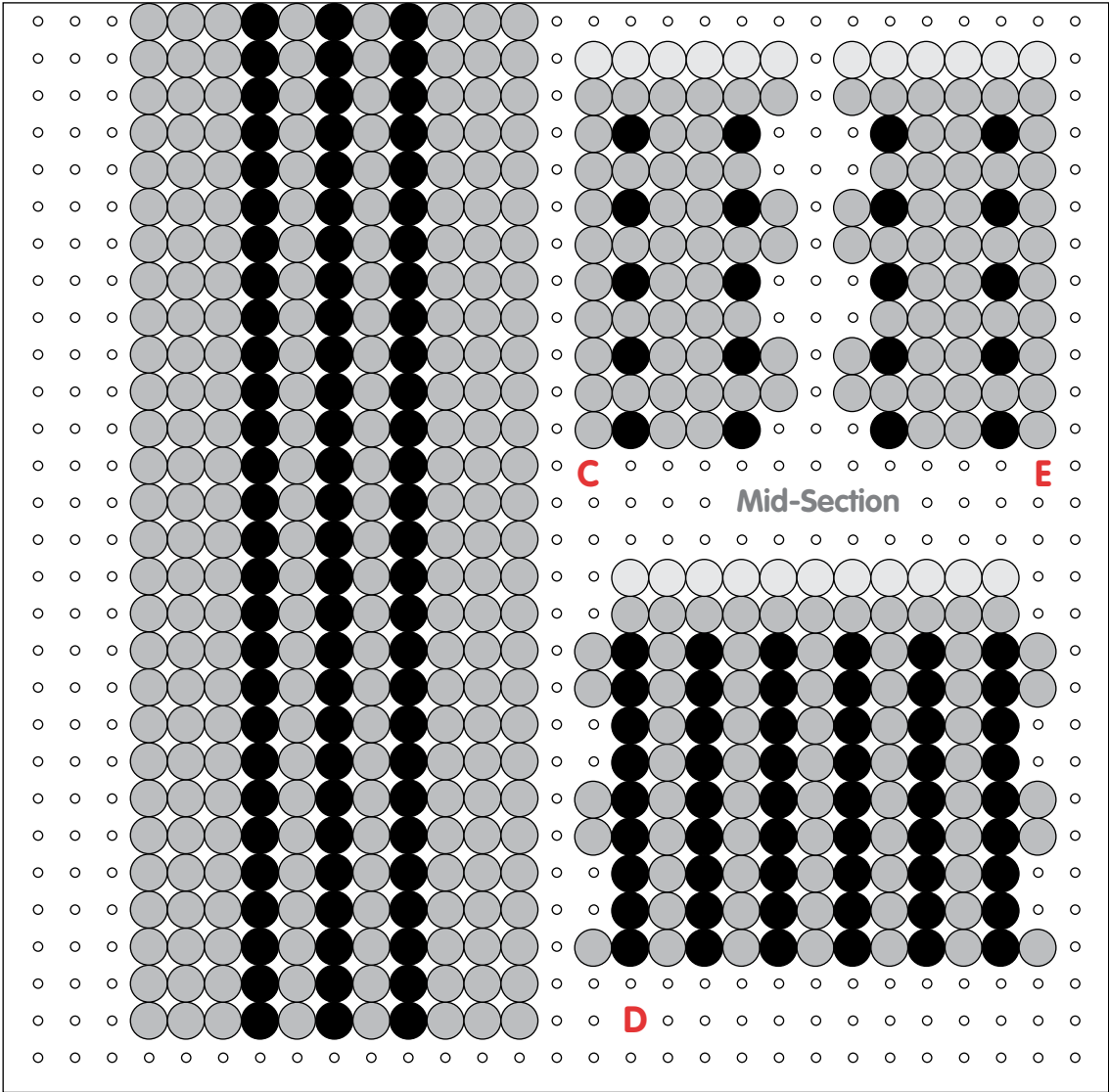
Cut out pattern at right and connect to pattern on page 2.



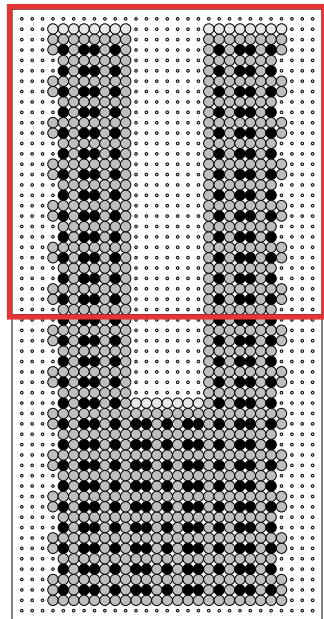
Inner and Mid-Sections



Cut out pattern at right and connect to pattern on page 1.

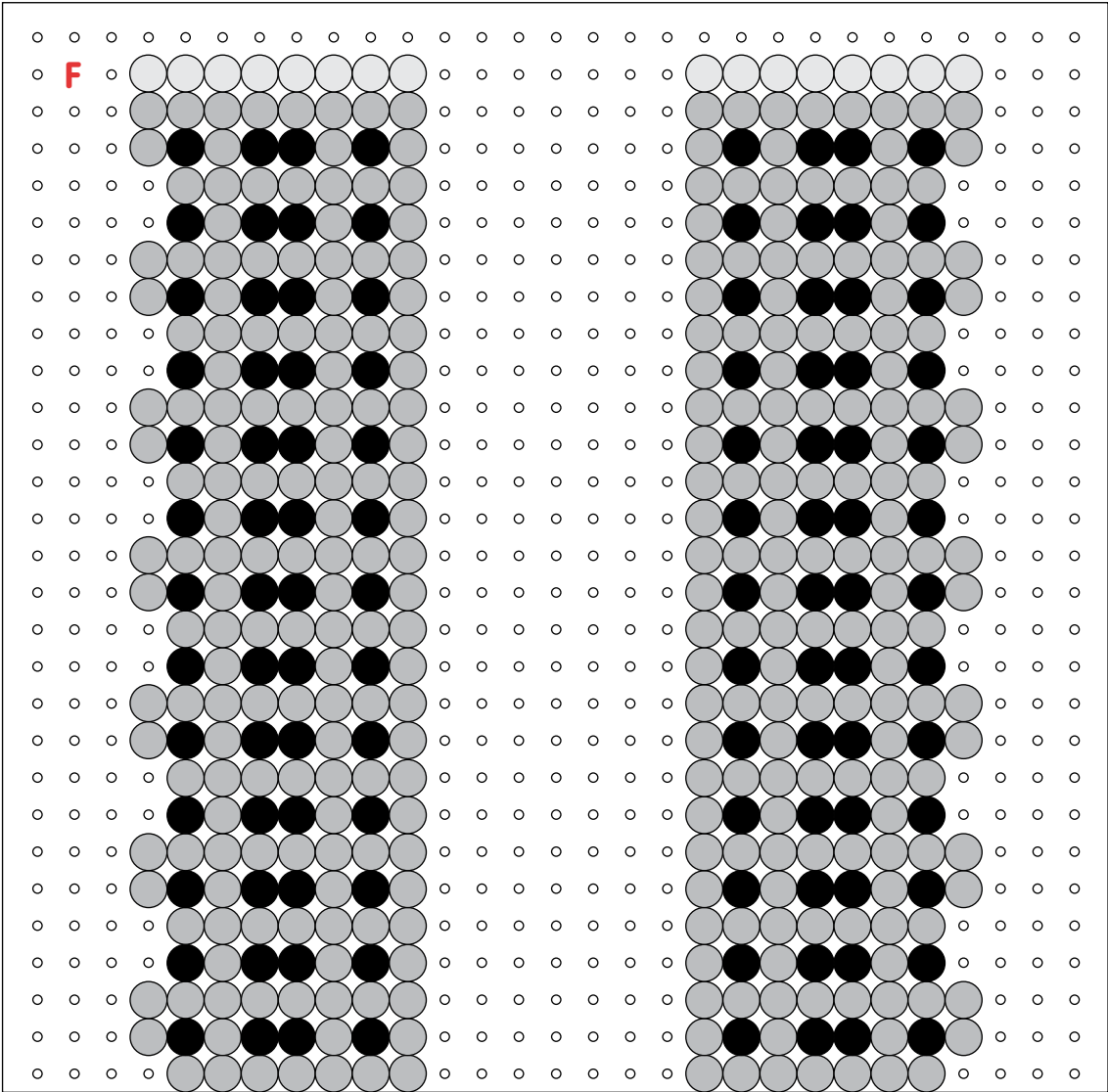


Main Section 1

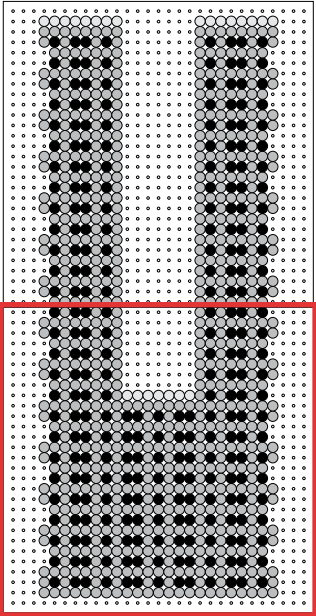


Cut out pattern at right and connect to pattern on page 4.

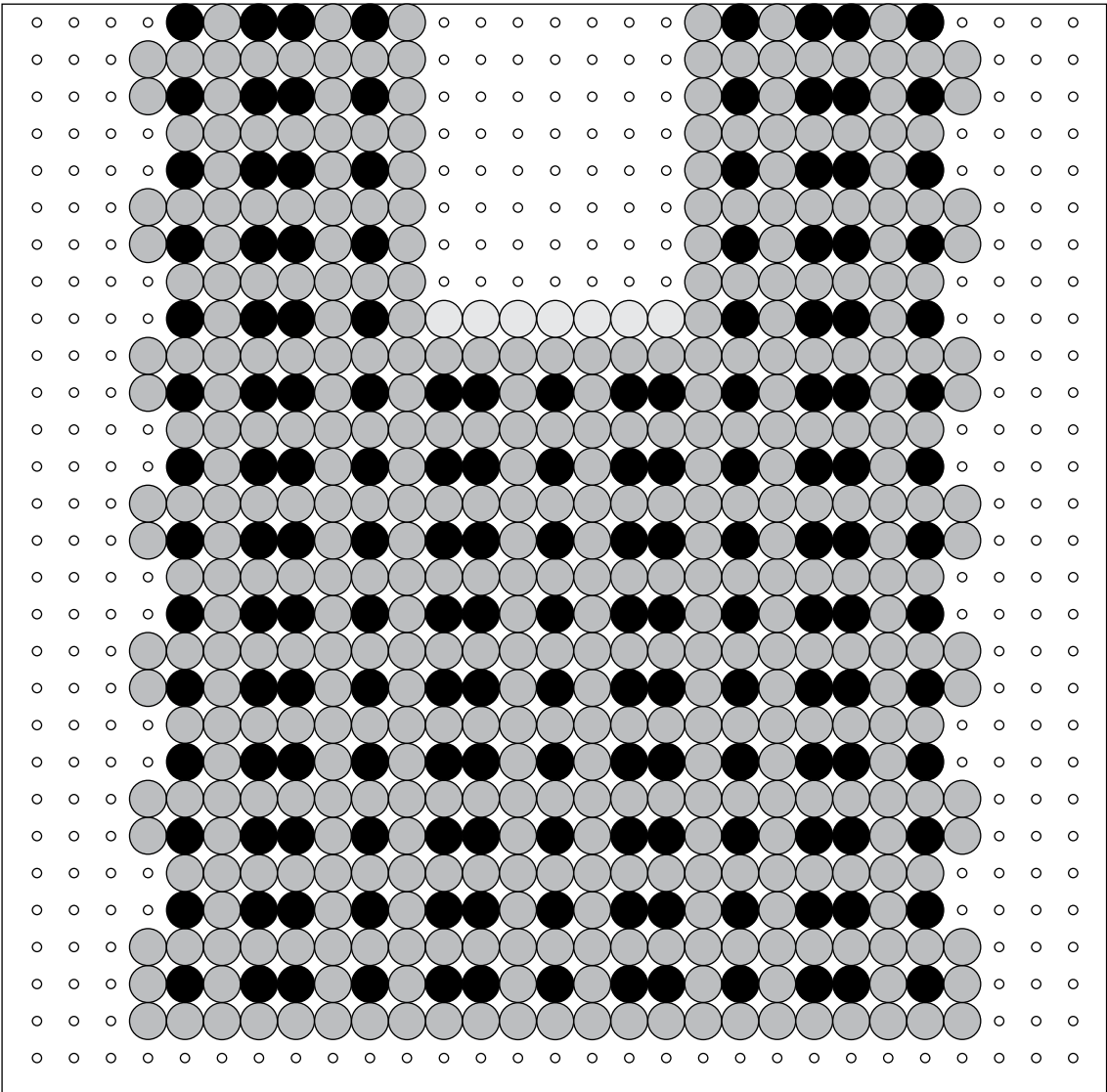
**MAKE 2**  
of Main Section 1



Main Section 1

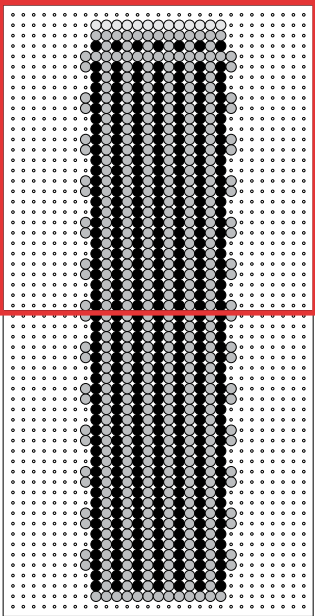


Cut out pattern at right and connect to pattern on page 3.



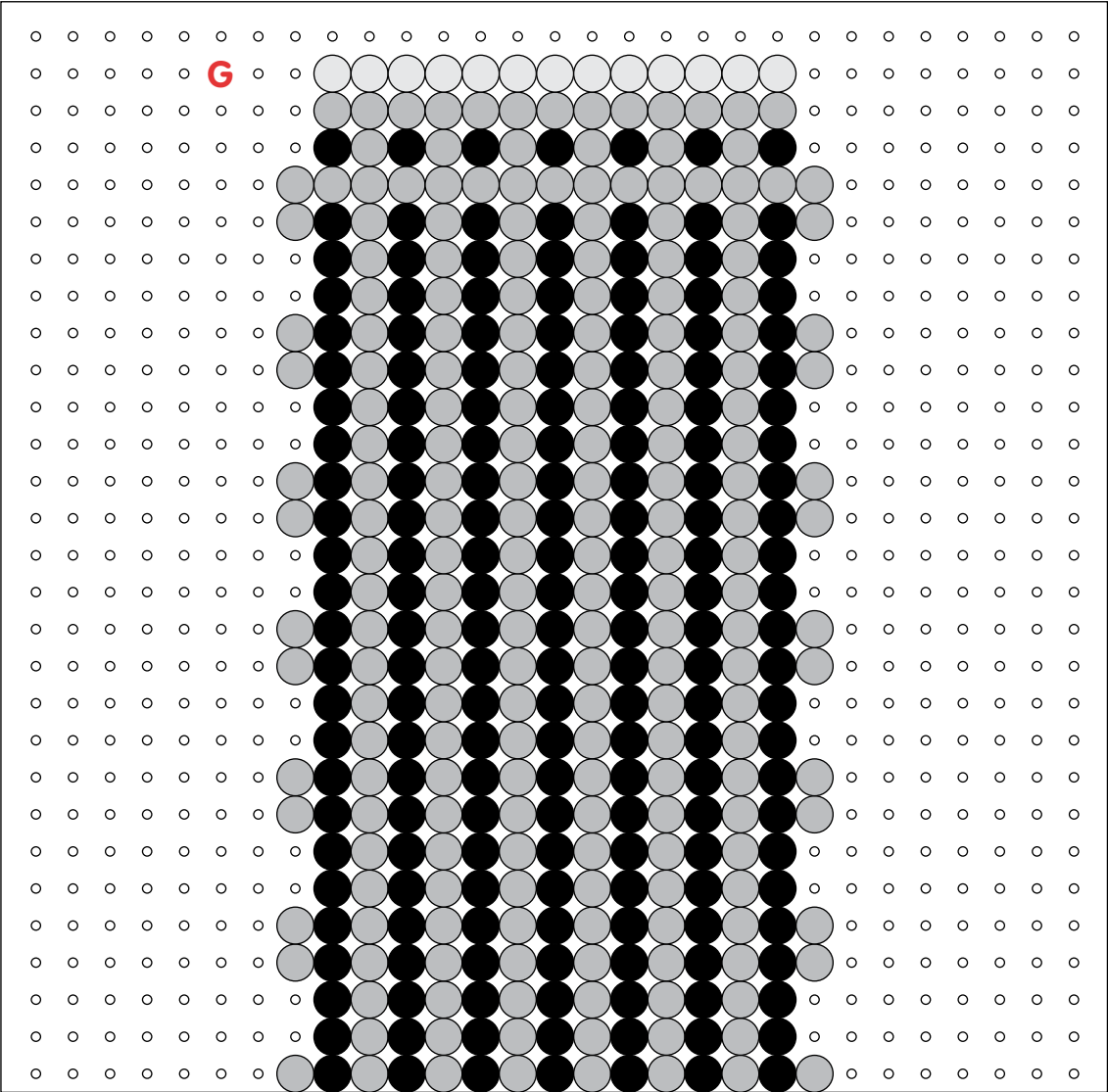


Main Section 2

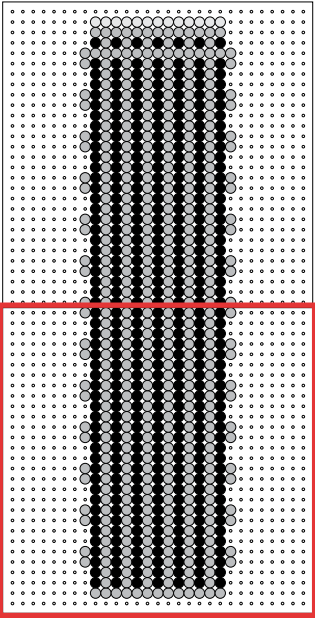


Cut out pattern at right and connect to pattern on page 6.

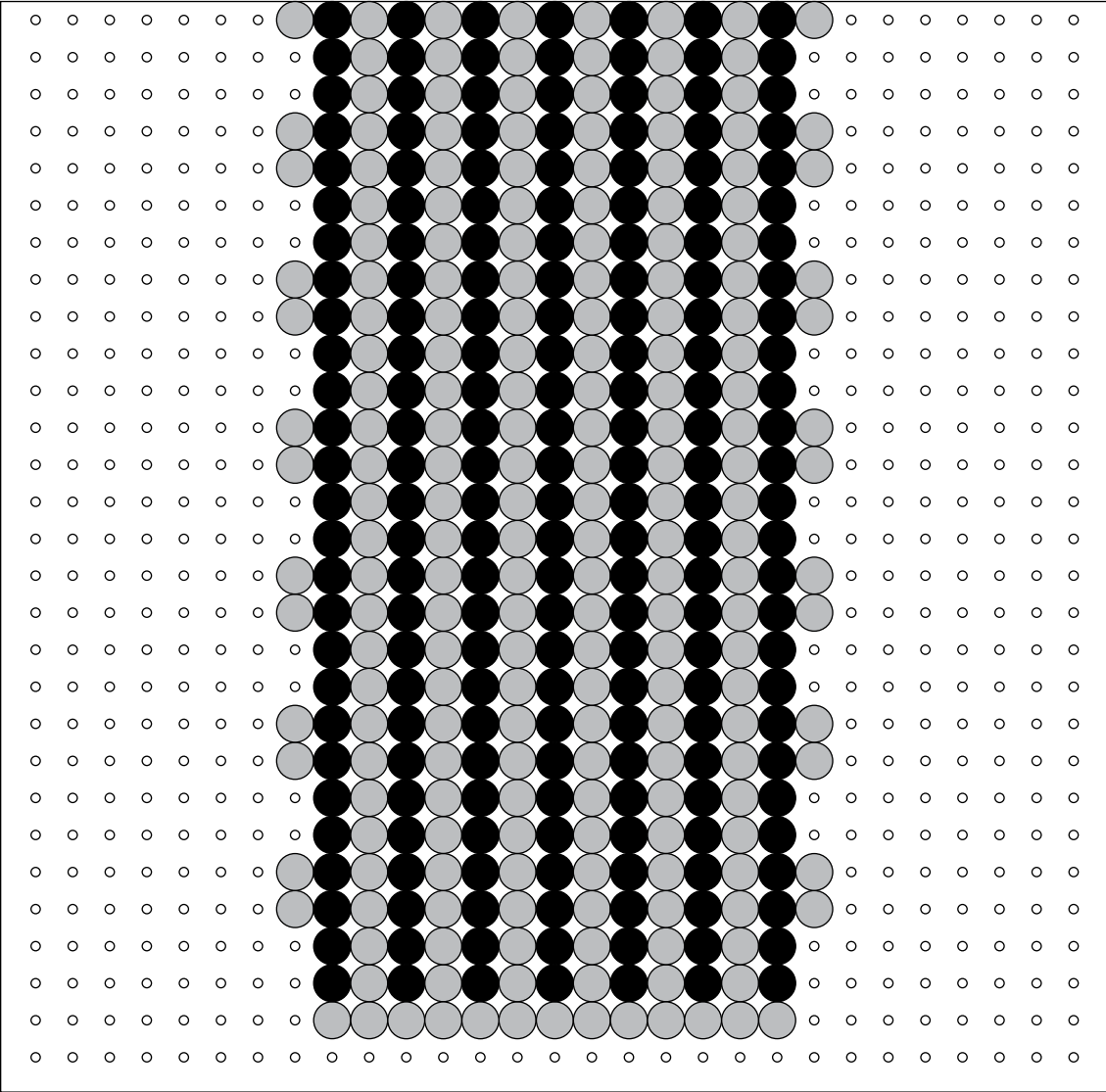
**MAKE 2**  
of Main Section 2



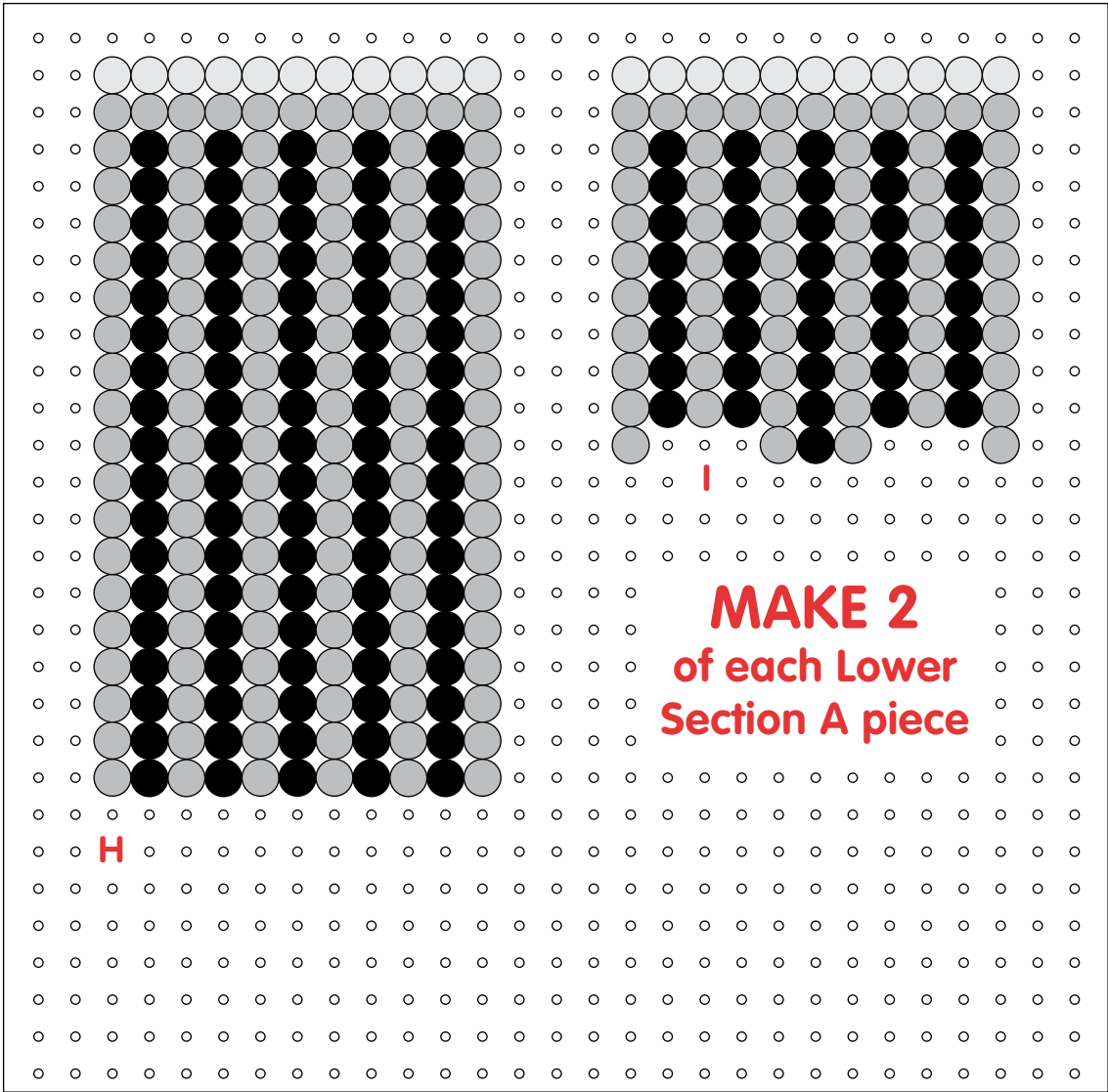
Main Section 2



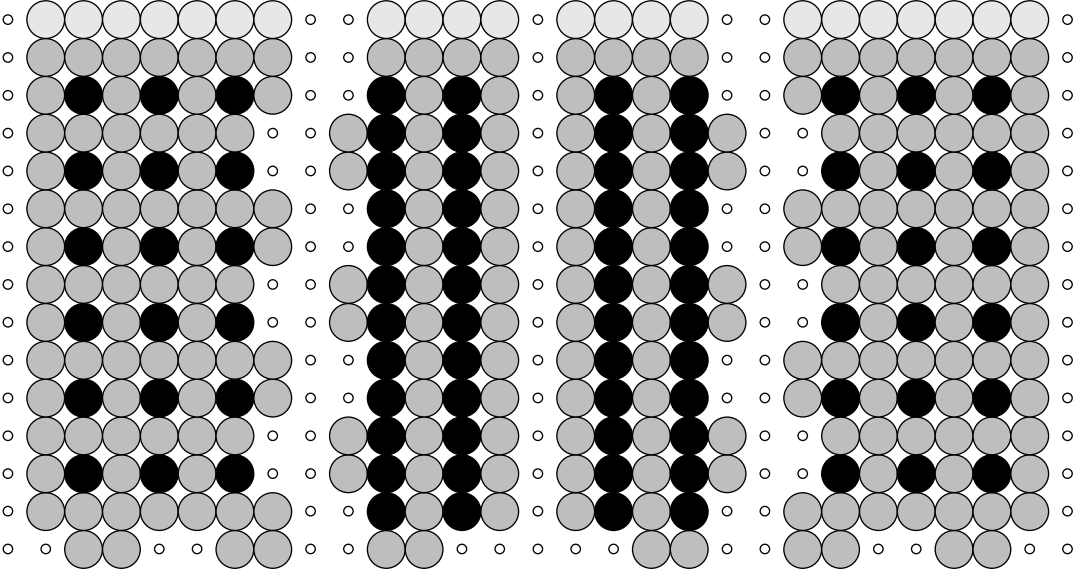
Cut out pattern at right and connect to pattern on page 5.



Lower Section A



Lower Section B

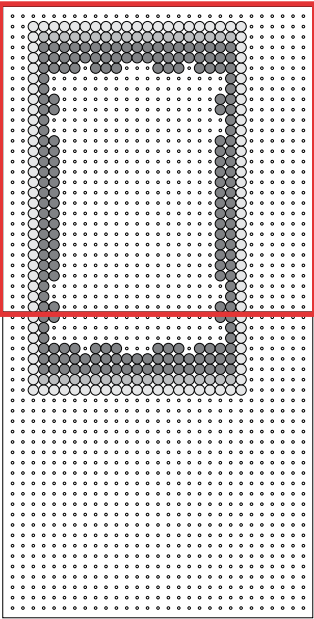


J K L M

**MAKE 2**  
of each Lower  
Section B piece

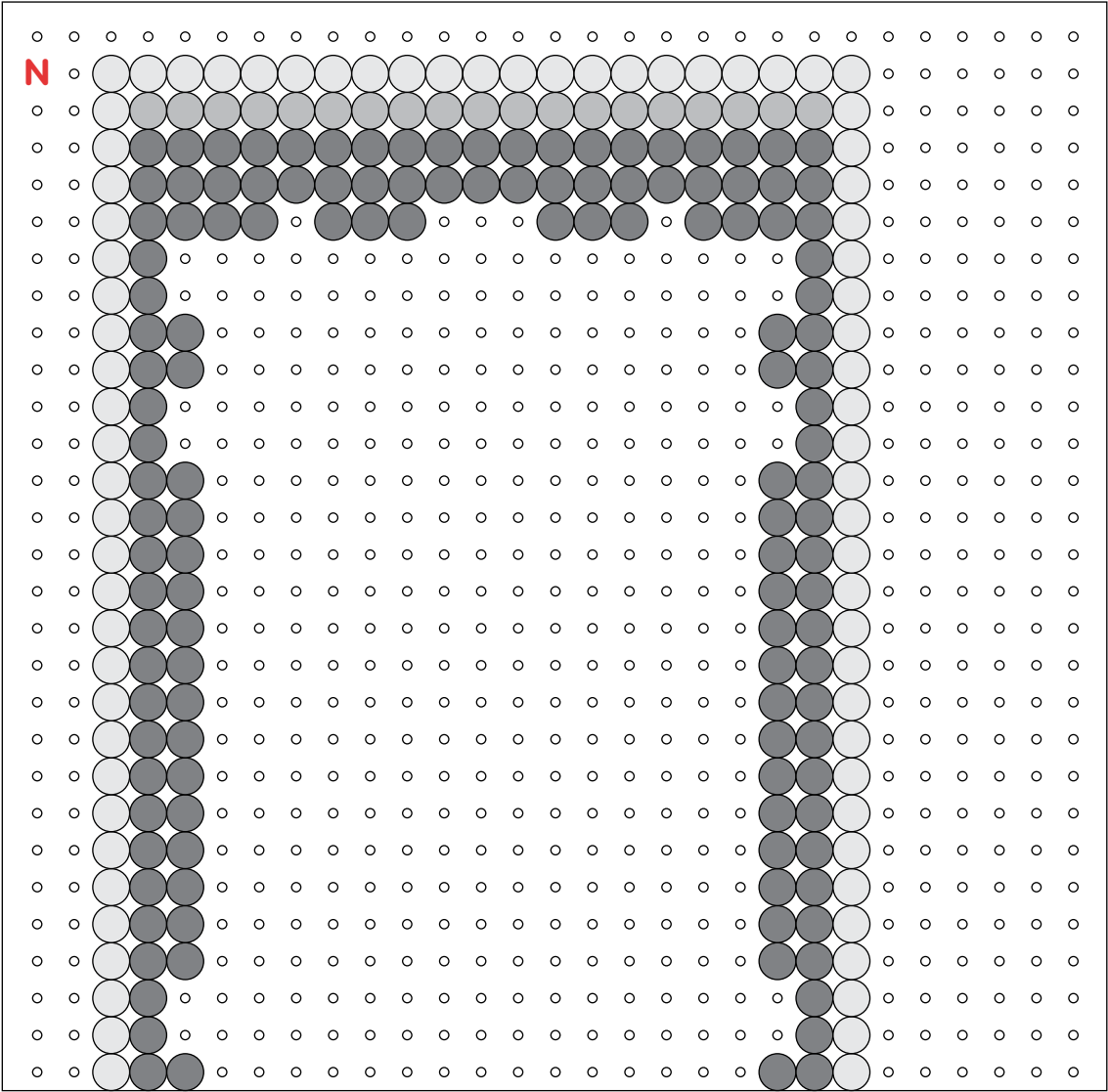


Base

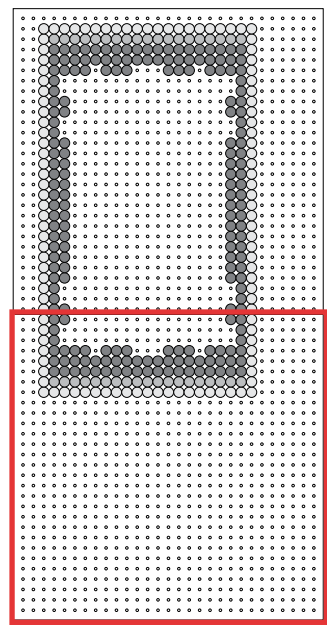


Cut out pattern at right and connect to pattern on page 10.

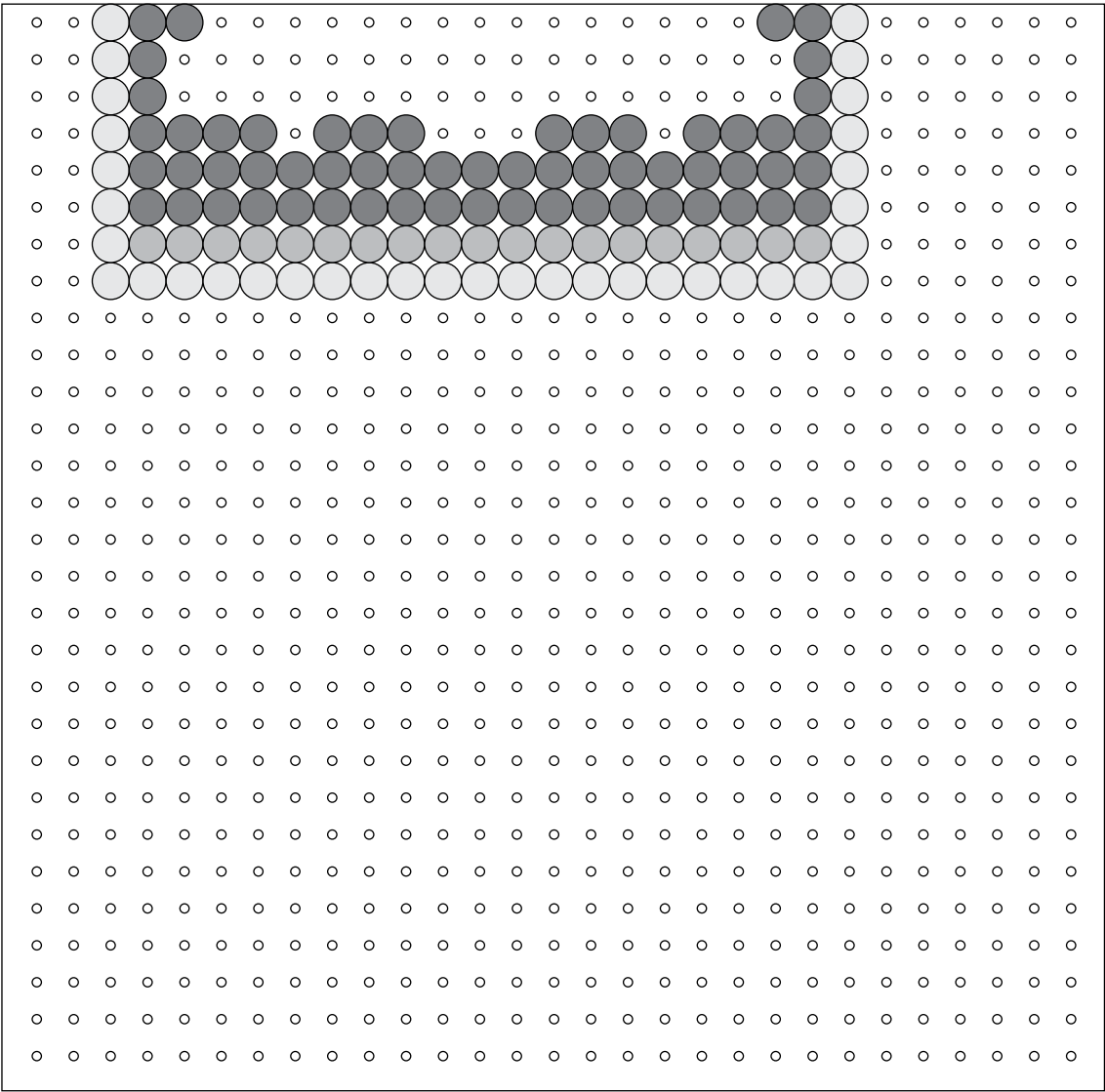
**MAKE 1**  
of the base



Base



Cut out pattern at right and connect to pattern on page 9.



Top Section

**MAKE 1**  
of the piece  
at left

**O**

**P**

**MAKE 2**  
of each of the above pieces

**Q**

Spire Section

**MAKE 1**  
of each  
piece

**R**

**S**

**T**

**U**

## 3D Empire State Building ASSEMBLY



1. **Inner Section:** Matching tab to slot, connect A to B at right angles, then add A and B on the opposite side.

2. **Mid-Section:** Matching tab to slot, connect C to D and then D to E, all at right angles to form a U-shape. Complete for the second set. Look at the photo and glue these sections to the assembled Inner Section as shown.

3. **Main Section:** Matching tab to slot, connect F to G at right angles. Position these assembled pieces around the completed sections above aligning the bottoms, then connect the second set of F and G pieces to complete the back and other side of the building.

4. **Lower Sections:** Center piece H on the side of the building, aligning the bottoms. Glue in place, and repeat for the other side. Set the I pieces aside for the moment.

Matching tab to slot, connect J to K at right angles and connect L to M in the same way. Repeat for the second set of these pieces.

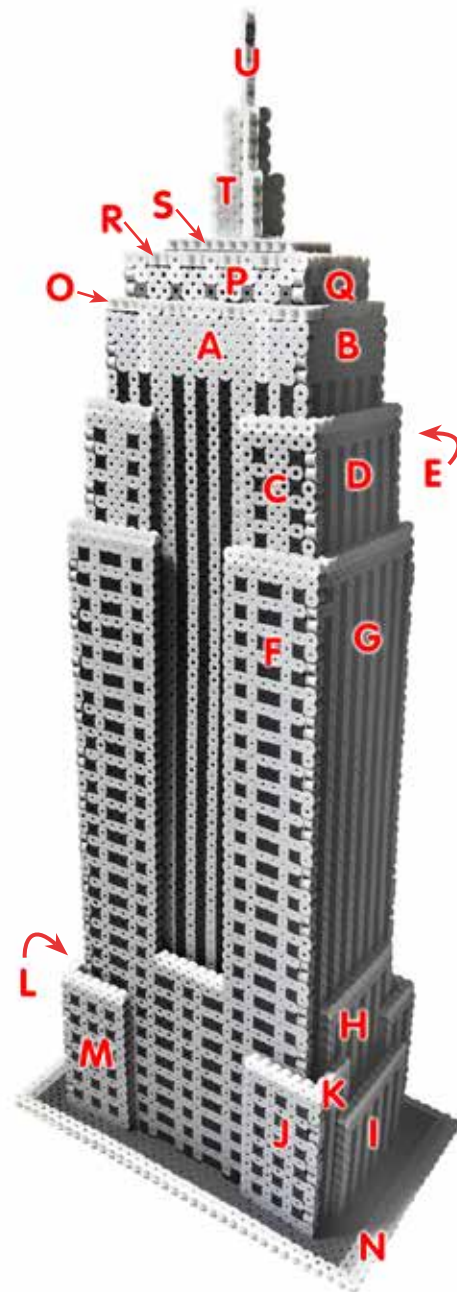
Position the building inside the opening of the base piece N—this part of the building does not have tab/slot connections. Wrap your J/K and L/M pieces around the corners of the building in the position shown in the photo, pressing the tabs of these pieces into the slots of the base.

Connect the I pieces on each side pressing the tabs into the slots of the base.

5. **Top Section:** Press piece O onto the top of the Inner Section. Matching tab to slot, connect P to Q at right angles, then add P and Q on the opposite side to form the rectangle. Press the P/Q pieces onto the O piece, matching tabs to slots.

6. **Spire Section:** Matching tab to slot, press the R piece onto the P/Q pieces. Centering the S piece over the R piece, glue it in place.

Connect the T and U pieces at right angles matching slot to slot, aligning the bottoms. Glue in place in the center of the S piece.



### Fusing Instructions—Only Adults Iron



1. Place your pegboard on a flat, heat-safe surface.

2. Set a household iron to the medium setting. Place ironing paper over the pegboard. In a circular motion, begin to iron the project. Do not press down with the iron. As the beads begin to fuse, you will see circles of the beads start to show through the paper. When ironed properly, the beads will still have an open center. Let the design cool.

3. Remove the paper and bead design from the peg board. Flip the design over to expose the non-fused side. Repeat step two. Let cool completely.

**NOTE:** Beads need heat for about 10-20 seconds per side to fuse evenly. Lift the paper occasionally to see how the beads are fusing. Depending on the size of the project, additional heating time may be required. DO NOT OVER-IRON the beads as it will make the centers of the beads close and can make the assembly you do with your project more challenging.