

## Cycle 3, Week 2- Liberty Bell (Mirror Image)

### Age 7-9

#### Materials:

- Mirror image worksheets (plus one for the tutor)
- OPTIONAL: tessellation blocks or cut-outs for worksheet
- Liberty Bell print-outs (plus one for the tutor)
- Pencils
- Marker for tutor demonstration

1. Fill in mirror image worksheet, going through each section as a group. For the last section, students draw a shape on the left side, then pass it to their neighbor. They then complete the mirror image based on that drawing. (5 minutes)

2. Pass out Liberty Bell images. Go slowly, doing the drawing section by section. Students follow along with you, studying the lines and discussing what they see.

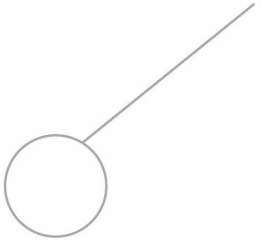
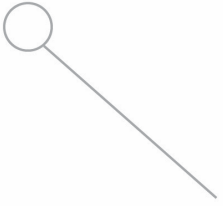
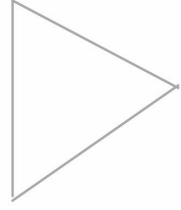
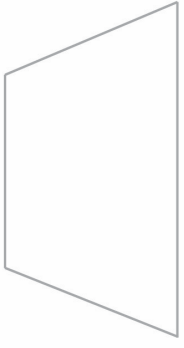
**Note:** It may be helpful to have students trace the difficult lines on the left hand side to “feel” how they go. Then they can draw the mirror image of that line on the right.

3. You can give a little history about the Liberty Bell here, including the crack down its side.

4. Draw the crack on your Liberty Bell paper, talking about the angled lines you are using. Students then draw it on their paper.

5. Have a quick discussion about what a mirror image is: Does adding the crack mean that it is no longer a mirror image? Why? Why not?

6. If time allows, add shading lines on the right hand side of the bell.



# *Liberty Bell*

