

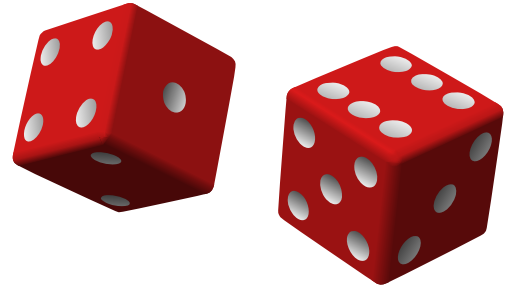
Sculpture Activity

You will need:

- **Mini-Mirror Pillar** (you can make one using a piece of mylar or reflective foil wrapped around a toilet roll tube)
- **Plasticine** or play-dough
- Something to work on, like a piece of paper, to protect the table

Task 1:

Make a small cube from plasticine. Use a pencil to make holes in each face to turn it into a die. Remember that opposite faces on a die add up to 7!



Task 2:

Deform your die so that it still looks like a cube in the cylindrical mirror. How does the cube itself need to be changed? Do the holes need to change so they still look like round holes? Which faces of the cube will be visible in the mirror? You can use the mirror to check as you go.

Task 3:

Make your own shape from plasticine, so it looks correct in the cylindrical mirror. You could make a simple geometric shape like a pyramid, sphere or cone, or a more complex shape like an animal or household object.

You might find that the real shape is quite distorted and may not look right when you look at it directly - but it should look right in the mirror. Try looking at only the reflection while you build.



Anamorphic frog sculpture by Jonty Hurwitz

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