Activity: The Montshire Cube

Puzzles can help you:
- Develop spatial and geometry skills.
- Make the more creative side of your brain work with the more logical side through abstract and quantitative thought.
- Strengthen problem solving skills, such as making predictions, testing, and adjusting ideas and plans.
- Develop patience.
- Relax.
- Feel a great sense of accomplishment when you (finally!) solve a puzzle.

Instructions:
1. Cut out the square.
2. Cut on the solid lines.
3. Fold on the dotted lines (either forward or backward).
4. Fold the puzzle so that you create a cube that has paper on all sides.

Solutions
- There are multiple solutions to this puzzle, which are all just slight variations of each other. You can create a cube that has an image on all sides or no sides. There is also a solution that has 5 visible images and one blank side or 5 blank paper sides and one image visible.
- We won’t give you the solution to this one, but recommend that you keep pulling it out every now and then and try folding it in different ways. Once you solve it, think about what was different about how you folded it this time.
Cube Template

WWW.MONTSHIRE.ORG
The Montshire Cube Instructions

Materials:
- Cube template
- Scissors

1. Cut out the square and cut on the solid lines.
2. Fold forward or back on the dotted lines to create a cube with paper on all sides.
3. Oops, not quite yet.
4. Got it!