

STEM ANYWHERE ACTIVITY

Pop-Up Books

Challenge: Design an animal or imaginary creature that has a pop-out mouth.

Suggested Materials:

- Construction paper (2 pieces that are 20 cm x 20 cm)
- Colored pencils, markers, or crayons
- Scissors
- Ruler
- Glue stick
- Clear tape

Get Inspired: Visit YouTube, search “How to make a pop-up book for kids,” and get inspired by the awesome pop-up book examples that are out there.

Plan it Out: When you’ve gathered your materials and gotten some inspiration, it’s time to make your design plans. Take a moment to think about and plan out your pop-up book design.

Procedure: Take the 20 cm x 20 cm pieces of paper and fold both in half neatly and accurately. On one of the sheets, mark two points: 5 cm up and 5 cm down from the center of the fold. On the same sheet, mark two more points: 5 cm right and 5 cm left of the center of the fold. Draw diagonal lines connecting all four points. Fold the paper together and use scissors to cut along the center of the diamond. Cut from the center point out toward the point where the diagonal lines connect. Use the back of the scissors to score the marked lines, and fold along the scored lines. When the finished card is opened, the mouth will open. Glue this sheet with the mouth to the other sheet of paper. Avoid gluing the mouth to be sure it will pop open.

Discussion: What modifications can be made to make the mouth different? What happens if your folds are not neat and accurate? What are more pop-up features you can add?

