Agamograph

Description

A picture that changes based on the viewing angle

Number of Participants

For any number of participants

Space Considerations

An indoor space where participants can be seated to do a craft

Competencies

- Artistic expression
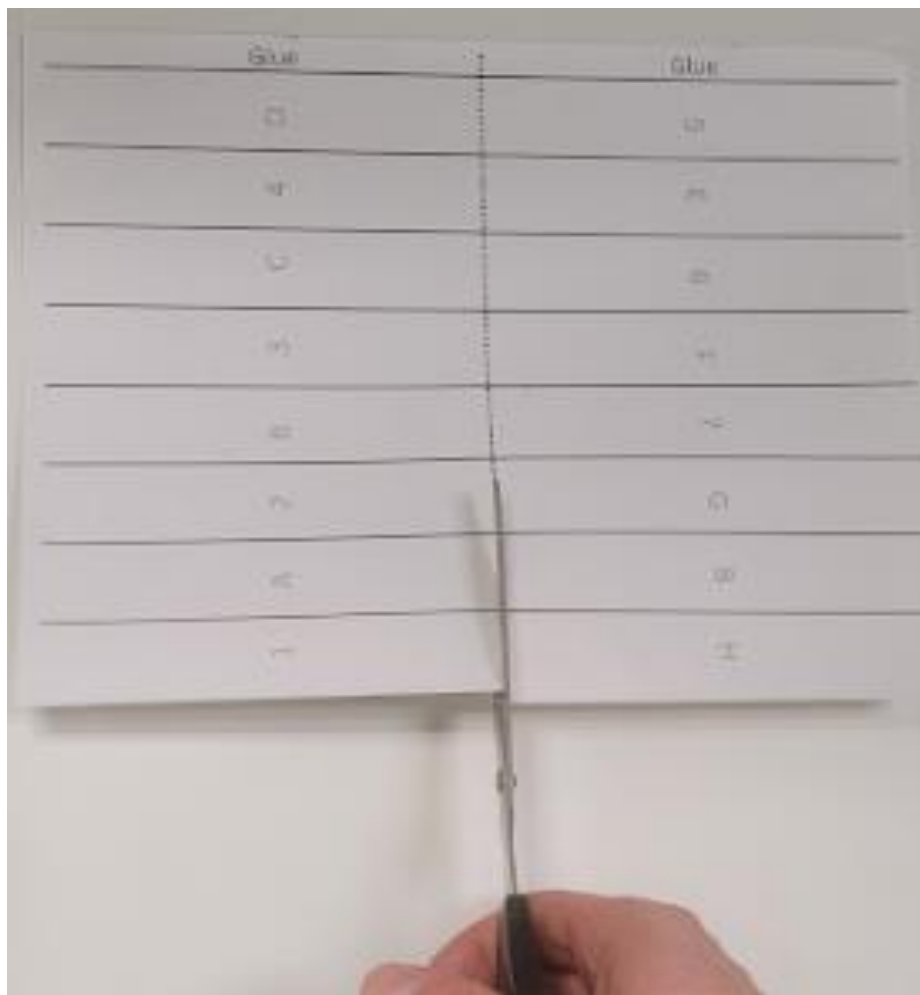- Creative and imaginative thinking
- Engineering

Materials

- Printouts of the agamograph templates
- Crayons, pencil crayons, or markers
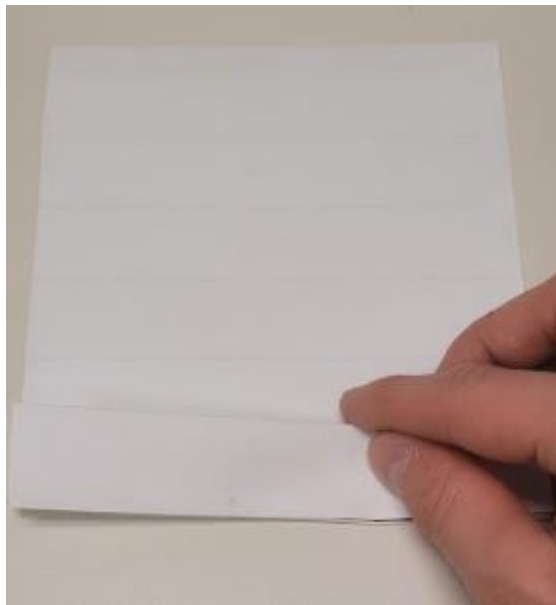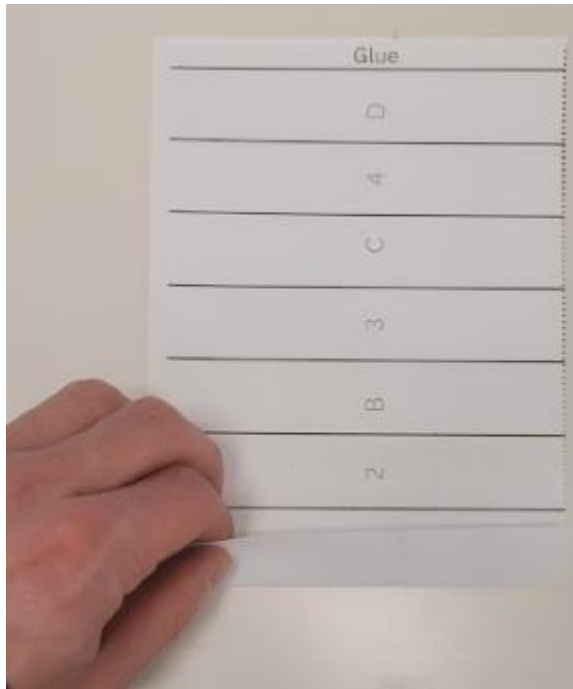- Pencils and erasers
- Scissors
- Glue sticks

Preparation

- Prepare the room for a program that uses glue

Implementation

1. Print and distribute the two-page agamograph template to participants
2. Start with the template on the first page (with the word "Glue" at the top of the page)
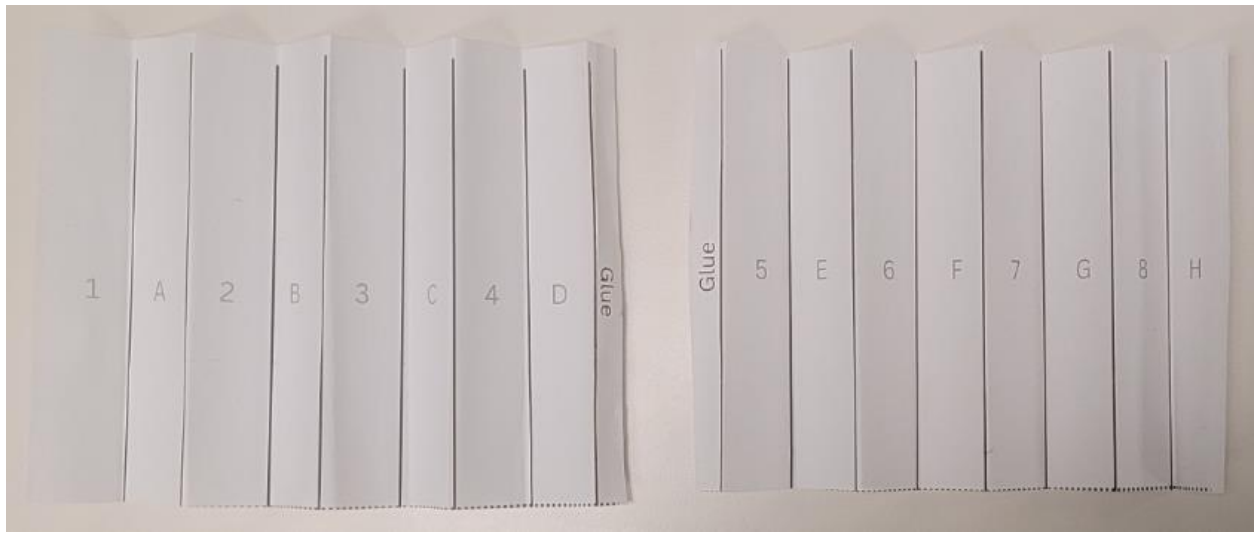3. Cut along the dotted line to separate the page in two

4. Fold each sheet accordion-style along each of the lines: starting from the bottom of one of the sheets, fold up along the lines for the row. Each time you make a fold, flip the page over to make the next fold

5. When you reach the row that says "Glue," fold this over the back top, similar to the other rows
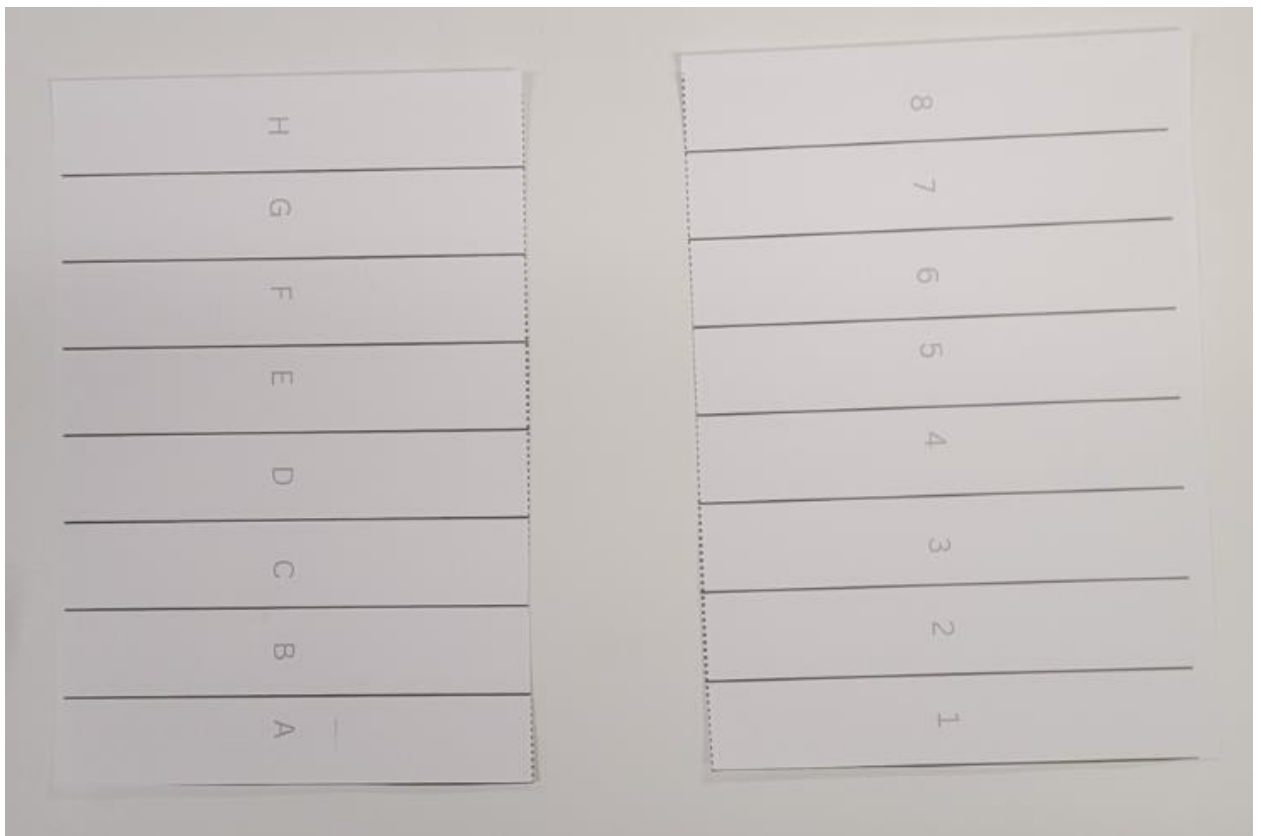
6. Repeat this step for the other half sheet of paper

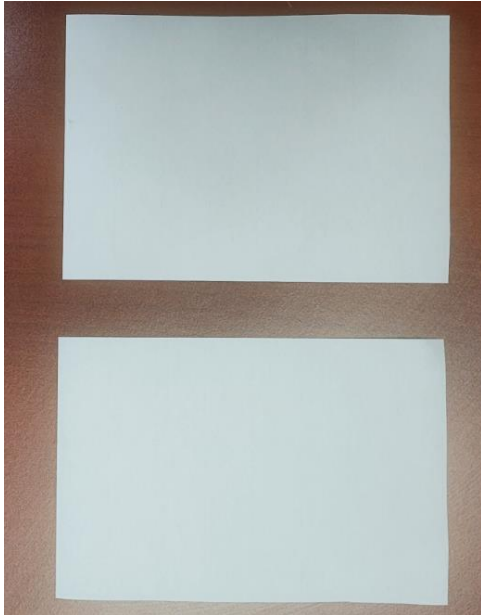7. Unfold each of the pages. You should have two half-sheets of paper that look like this:

8. Apply glue to the rows that say "Glue," and stick the two half-sheets together. It should look like this:

9. Set this piece aside

10. Take page 2 of the template (with the word "Discard" at the top of the page)

11. Cut this page in half along the dotted line and remove the portion that says "Discard." You now should have two half-pages that look like this:
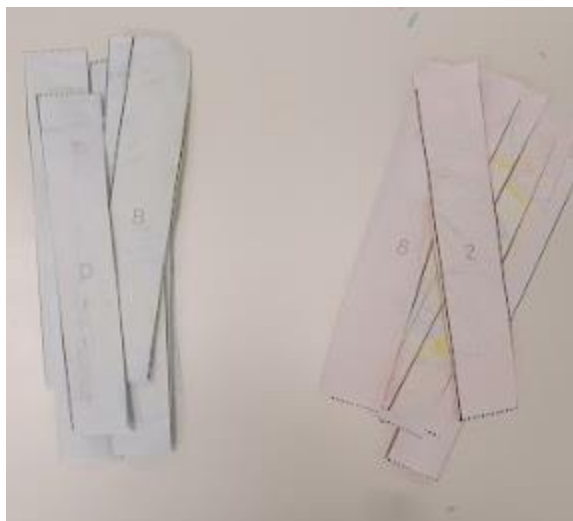
12. Flip each sheet over and lay them in landscape position:

13. Now, draw anything you like on each sheet! You should draw two separate images. Try your best to fill up all of the page with colour – it will make the effect look cooler once it's all complete

14. Flip the drawings over again, and cut along the lines on the back. Keep all the strips with numbers together in a pile, and keep a separate pile of all the strips with letters

15. Set the first, folded template down in front of you and begin to match up the strips with the same letter or number on the first template

16. Once you've confirmed that all the strips are the right way up, glue them into place
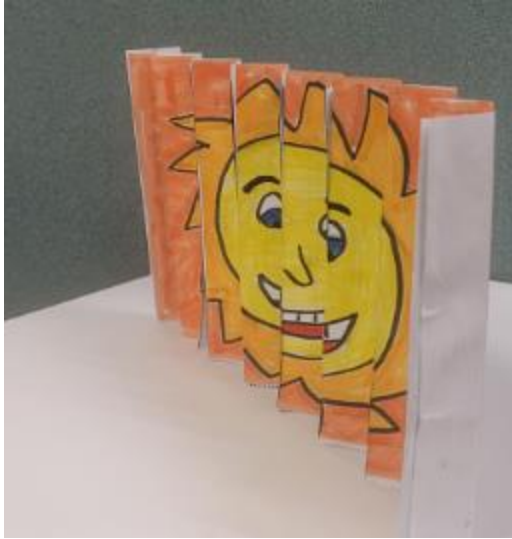
17. You may need to re-fold along the lines to reinforce the folds you previously made, as sometimes pressing down on the glue can flatten the template

18. Now, try looking at your image from different angles. You've made an agamograph!

Accessibility Considerations

- Read and print the instructions for this activity

- Offer kids a variety of instruments to colour their image, and encourage them to choose what they feel most comfortable with

- The drawings kids make can be very simple, though it's best if the full page is covered with colour

- Offer easy-grip scissors

- Assist participants with cutting and gluing as needed

- Offer a pre-folded template if needed

- Offer larger glue sticks

Book Suggestions

Flowers are Pretty... Weird! by Rosemary Mosco and Jacob Souva
Franz's Phantasmagorical Machine by Beth Anderson and Caroline Hamel
My Art, My World by Rita Winkler
Nature is an Artist by Jennifer Lavallee and Natalia Colombo

Download Links

Full Activity PDF

[Agamograph template](#)

Images