



IdeaFestival Bowling Green 2021 Re-start, Re-think, Re-imagine

Activities Supplies List

We will be leading participants in four minds-on, hands-on activities during IdeaFestival Bowling Green. Many of the supplies below are optional: doing the activity without them will be just as good as doing it with them. Items listed are per participant. Let us know if you have any questions or concerns!

Art Activity with Brianna Harlan

- 3-5 pieces of blank paper
- 3-5 crayons (any colors)

Geology Activity with Shelby Rader

- One raw egg OR one plastic Easter egg (a plastic egg is easier because you don't have to blow out the yolk)
- One thumbtack (needed only if using a raw egg — to make holes in the egg)
- 2-3 paper towels
- One pair Scissors
- One bowl or cup big enough to hold the eggshell and water (disposable recommended because food coloring may stain it)
- A small amount of white school glue (enough to coat the egg shell)
- About $\frac{1}{4}$ cup alum powder (available in the spice section of the grocery store or buy in bulk online)
- About 1 cup warm water (enough to submerge the egg shell)
- Food coloring (enough to color the water the way you want)
- One spoon
- Optional: one paintbrush

Note: This activity **requires you to prep the egg 1-2 days before the festival**; we will post a video with instructions soon. If you are unable to do the prep work beforehand, that's okay! You can see how the activity works during the festival and then do it yourself afterwards. Shelby will also be giving a tour of her lab during her presentation.

Design Activity with Natalie Tyree and Andee Rudloff

- 1-2 pieces of blank paper
- Drawing utensil (pen, pencil, marker, etc.)
- Optional: coloring utensils (colored pencils, markers, crayons, etc.)
- Optional: Access to an additional laptop or smartphone during the activity
- Optional: Access to your preferred digital design tool or one of the following:

Browser-Based Software (no downloads needed):

- Google Slides — has drawing tools (scribble in line options allows free drawing/doodling)
- Vectr.com (online drawing tools)
- Figma.com
- Note: Will need to save or export files as JPEG or PNG before sending them.

Free Mobile Apps:

- Adobe Draw (will have to have a free account to log in and use)
- Draw-Editor
- Drawing

Free I-Pad/Tablet Apps:

- Adobe Fresco (create a free account to use)
- Photoshop Sketch (create a free account)
- Autodesk Sketch (free version)
- Art Set 4

Note: Natalie and Andee will be leading an activity that can be done on paper OR digitally, so you do not have to use the suggested apps/software. They will be asking participants to submit their work during the festival by sending the work created digitally or by taking a photo and submitting through the portal on the IFBG livestream website. They will guide everyone through the process.

Coding Activity with Kentucky Science Center (KSC)

- Optional: KSC Activity Packet (attached to the February IFBG Update email, available on the [IFBG website](#), or available on the IFBG livestream webpage)
- Optional: Coloring Utensils
- Optional: Calculator

Note: KSC will be guiding participants in an activity that can be done with OR without the above supplies; they are all optional.

