Binary Art Lesson Plan Overview – ages 11 to 18

High Level Overview

Preparation in advance of lesson:

- Find small items to represent 1s and 0s – examples coins and shells; blocks and rocks; two different types of candy etc.
- Bring these items to the lesson
- Note: an alternative is the student can draw two different symbols

Students will do the following:

- Learn about binary numbers
- Write their name in binary using 1s and 0s
- Learn how symbols can represent numbers

Overview

Ages: 11 to 18 years old – this is a high-level overview/outline that will require adjusting to the unique needs of your students.

Session 1 – Volunteer Instructor Led Binary Art	60 minutes
Welcome and introduction	5 min
High level overview of binary code	15 min
Use the binary code chart to have students write their name in binary	10 min
Students use pre-identified items create art while writing their names (note: students can draw symbols as well)	15 min
Provide students a chance to showcase their work	15 min

Additional information for this lesson can be found in the [STEM@CGI at Home Activity Pack](#).