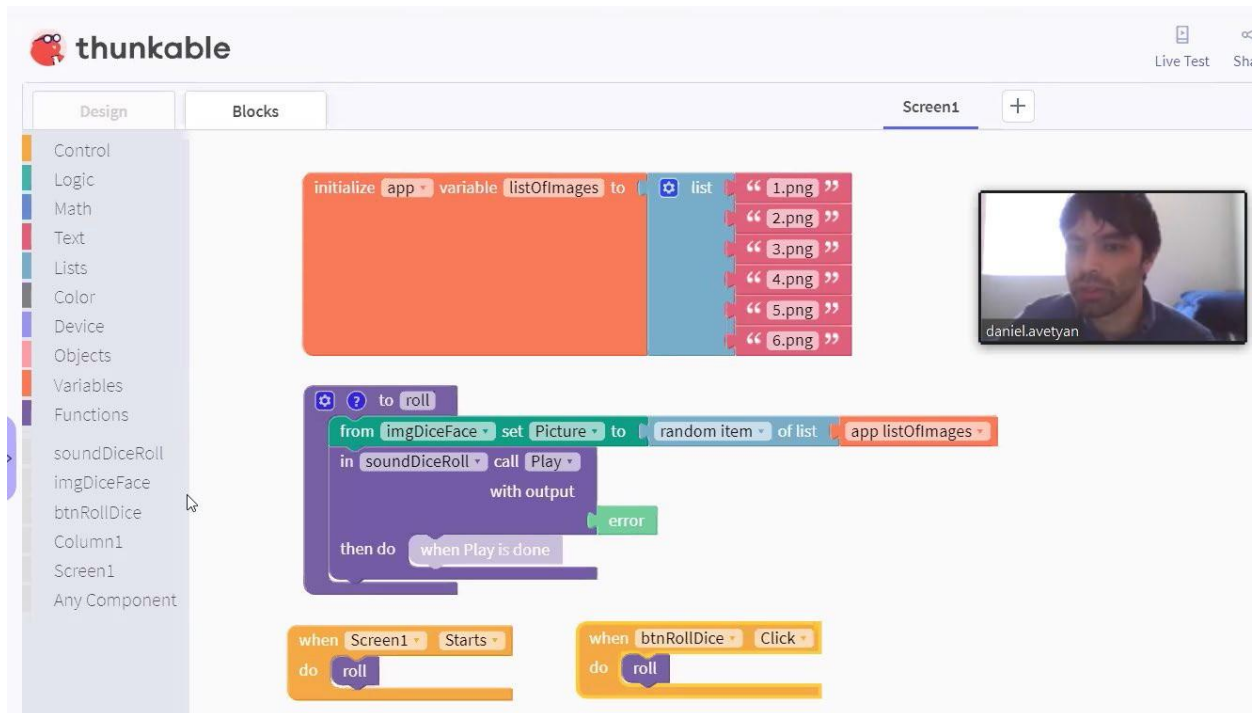# Thunkable Activity Lesson Plan (ages 11 to 18 years old)

High Level Overview

Student preparation in advance of lesson:

- o To prepare work station and materials, have students:
    - Set up working area – make sure that there is a monitor capable of running a browser compatible with Thunkable and open Thunkable
    - If student has a 2-monitors set up, they can have the presentation running on one screen and work on the other. If not, students are encouraged to print out the lesson ahead of time.

Students will do the following:

- o Get an introduction to drag-and-drop programming through Thunkable
- o Learn basic concepts of coding
- o Learn basic concepts of app building
- o Create a simple app

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. Use in conjunction with this Thunkable presentation.

Thunkable Activity	90 minutes
Welcome and introduction	5 min
High level overview of Thunkable – including how the site is designed	15 min
Step-by-step instructions to create the app Use the Thunkable presentation on the STEM@CGI at Home site for this, located under "coding." Note – many students will be toggling back and forth between the screen you are on and where they are building the app. Some students will have the lesson printed out. Be very descriptive in your instructions including giving page numbers, give plenty of time for them to catch up and work to ensure everyone is	60 min
Q & A	5 min
Conclusion	5 min

Additional information for this lesson can be found in the STEM@CGI at Home Activity Pack.