

2020 FHS STEAM Summer Camp

Mr. K. Melendez

Virtual Camp Agenda:

June 15, Day 1- Project and kit overview, back ground creations, Design and Sketch (have sketch pad, watercolors, cup of water, napkins ready)

- You will be creating a mixed media interactive artwork.
 - o Think! What message do you want to communicate to the world?
- Mixed Media= using different materials to create art
- Interactive= you will be programing a circuit board to make different sounds when your artwork is touched at certain points.
- Let's play with color! Make four backgrounds of different color combinations and watercolor techniques to use in your artwork.
 - o Plan! What will your artwork look like based on the backgrounds?
 - o What will be your main theme/ subject of focus?
 - o What will you choose to highlight with bold black lines?
 - o Where can you incorporate texture?

June 16, Day 2- origami and engineering, mixed media (have origami paper, origami book, graphite pencil, paperclips, Vilros touch kit, computer ready).

- Origami is one of the most widely used for inspiration in today's engineering world, let's find out why.
 - o Make several origami creations that can be used for added 3-dimensional texture in your artwork.
 - o Experiment with how big the 3D elements should be; what colors will work best with your theme?
- What is programming?
 - o How to use your Vilros FunForce Touch kit
 - o How to use Scratch
- Basic circuitry:
 - o How to use your graphite pencil as a conductor

June 17, Day 3- How to program your Vilros using Scratch, design and discuss how you will incorporate a finished project (have computer, Vilros, artwork, t-pin, and paper clips ready).

- Programming the Vilros buttons
- Uploading sounds
- Putting your artwork together.

June 18, Day 4- Wiring the Vilros to your artwork: run your program, attach origami, upload photos/videos of finished projects

- Let's put it all together!