## Interactive fabric using Abstract Art

Abstract art is art that does not attempt to represent an accurate depiction of a visual reality but instead uses shapes, colors, forms and gestural marks to achieve its effect. Everyone has their own interpretation for abstract art. So we decided to use e-textile to make the abstract art interactive for children.

In the canvas, the shapes are clickable and we ask children to record or add sound to each shape according to the feelings they get from the piece. After recording participants can play with the abstract art to play their own story or music by interacting with various parts of the fabric.

Children could comment on the color or the shape or a story that they are reminded of from this art. They can record whatever representation of the art they have in mind, which teaches them creative expression. Working with Scratch and Makey-Makey would help children get hands on with coding and hardware? This is helping them to learn while have fun with the project.

**Prototype**

**Materials used:**

* Safety Pins
* Makey-Makey kit
* Computer with Scratch
* Colorful fabric pieces
* Drawing or art
* Glue
* Thread and needle

**What we made so far?**

* We assembled our fabric pieces into the art that we wanted children to use for their interaction.
* We used a combination of glue, needle and thread to sew our pieces together.
* After it was done, we connected the safety pins to the pieces we wanted to make interactive.
* We connected the alligator clips to the pins and the Makey-Makey board.
* Connected this set-up to computer and plugged it into scratch to code what each interaction would play. Right now, it only plays animal noises but for the next time we are going to record story and music to play with a new fabric art.