**ST:** Kelly Kerulis, Erin Gleason

**TA:** Emily Denis

**Name of Session:** Inventions

**Age:** Preschool-Kindergarten

**Purpose:** To have students create their own invention

**Activities Planned:** This week we are going to have the students come up with their own invention. We want the students to either take an object that they already know/use and make it “better” (whatever that means to them). For example they might make shoes that the laces tie by themselves once your feet are in. The student also has the option to come up with an invention that has never been made before. We will begin this session by introducing the students to inventions. We will show them our example of the invention we made. Then will give them time to draw in their sketchbooks and come up with some of their own ideas. We (Kelly and Erin) will go around to students who might be having trouble come up with ideas and help them think of something they want to make. Once most students have an idea of what they are going to create we will take a break and give the class a tour of the stations. We will show them all the supplies that they have to create their invention and where everything is located. After we give the class a tour students who are ready can begin working on their invention and students who need more time drawing in their sketchbooks can. We (kelly and Erin) will go around the room helping students with their inventions and talking to them. There will also be a station where kids can take pictures of their invention and a station with a video camera if they want to talk about their invention. One of us will be near that equipment if students want to use it so we can assist them. When the students are finished working we will designate time to clean up the stations and make sure students are cleaned up. Once the room is clean we will have time for kids to share about their invention with the class. After that students will get their sketchbooks and draw until their parents arrive.

**Timeline:**

9:00-9:10

1) Students come into the classroom,sign in, and begin drawing in their sketchbooks

9:10-9:15

2) We will introduce the lesson to the students

 - Go over rules quickly

 - We will ask the class what is an invention?

 - Has anyone ever made an invention before? If so what was it?

 - Then we will tell the class that everyone is going to make their own invention today

 - We will show them the invention that we made

9:15-9:20

3) We will give the students time to brainstorm ideas of what they might want to make. Students can get in groups and talk to each other about what their going to make.

 - We will go around to groups and individuals asking them what their going to make

 and helping anyone who needs assistance.

9:20-9:25

4) We will give the class a tour of the Stations

 - Show them what supplies is at each station

 - Tell the students why the camera and video camera are there and what they can use

 them for.

9:25-10:10

5) This time will be work time for the students.

 -Students can work in their sketchbook a little bit longer if they need more time coming

 up with an idea.

-If students are ready they can begin working

-We (Kelly and Erin) will be going around talking to students and helping them if they

need it.

- We will also be assisting students that want to use the camera and video camera.

10:10-10:20

6) Clean up time

 -Students will throw away trash and put supplies back in the right spot.

 -They will wash their hand if needed

10:20-10:30

7) Close

-We (kelly and Erin) will go over what we did today

-Students will have time to share what they made with the class if they want.

- Once we are all done students will work in their sketchbooks till parents come.

**Materials:**

- Tape

- Scissors

- Glue

- Straws

- Markers

- Cardboard

- Cutout Shapes

- Tissue Paper

- Popsicle Sticks

- Clothes Pins

- Pipe Cleaners

- Cones

- String

- Cups

- PVC Pipes

- Gems

- Beads

- Cardboard boxes

- Camera

- Tripod (2)

- Video Camera

- Paper

**How Does This Lesson Explore *Technospondence****: ?*

**Evaluation**: Criteria that will determine if this workshop is “successful” or “good” will be

 1) Did the students understand what inventions were?

 2) Did we provide a space/environment that allowed students to explore and create

their inventions?

3) Did the students like the stations and the activity?

4) Were we (Kelly and Erin) able to work through challenges in the class?

 - Students that are being disruptive/ not following directions

 - Students that don’t want to participate or are not engaged

 - Students that struggle thinking of an invention or have trouble making it and

are getting frustrated