**Science Jam 2020**

Our climate is changing! It has been an undeniable fact that the Earth’s climate has been changing due to human practices. Whether it’s due to an increased amount of greenhouse gases in our atmosphere or unsustainable processes during manufacturing or products, something needs to be done to help save our planet!

**Purpose:**

* You and your partner need to first select a product or process that is important to our modern society
* Then, examine the environmental impact of this product or process
* Next, research or innovate ways to make this product or process more sustainable and environmentally friendly!
* Finally, create a model or demonstration of the before and after of your product/process

**Step 1: Choose your product/process**

* Investigate products or processes that are important and interesting to you!
* Choose the one you and your group members are most passionate to learn about

**Suggested due date: Jan. 28**

**Step 2: Research**

* **Part 1:** **examine the current environmental impact of your chosen product or process.** What’s happening? Why is it harmful to the environment?
* **Part 2:** **examine ways other people have made their product or process more environmental.** How have other people or companies helped the environment? Can you combine renewable energy? How have they reduced emissions or pollution?
* **Part 3:** **apply what you have learned.** How will you combine what you have learned about sustainable practices with your chosen product/process? Are you able to be inventive and innovative?

**Suggested due date: Feb. 13**

**Step 3: Represent/Model**

* Create a model or demonstration that shows the environmental impact of your product/process before AND after you have applied your sustainable idea/technique

**Suggested due date: Feb. 25**

**Step 4: Presentation**

Where: Aberdeen Centre

When: Tuesday, February 25, 4:00 – 5:30 pm

Your Science Jam project will be assessed on:

* **Information:** are your facts accurate and are written in your own words?
* **Creativity:** how innovative is your method of sustainability?
* **Speaking:** is each member of the group able to vocalize their learning and explain their loose parts model?
* **Effort:** how well did you use your class time? Did you contribute to a positive working environment in the class?