Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour\_\_\_\_\_\_\_\_\_\_

Rescue Plan (Summative)

**Day 1, Part 1:** You may work in groups of two or on your own. Before starting your project, read through all of your requirements and create your schedule for the three days in class you will have to complete this and get Ms. Murphy’s signature

X\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Part 2:** You will gather information about sound waves, you must write an informational essay (5 paragraphs) discussing either one of the following (This needs to be done individually)

* Pitch
* How Your Ears Work
* Mediums Sound Travels Through
* Mechanical v. Electromagnetic waves

**Part 3:** You will conduct research on SOS messages:

• When are SOS messages used and why?

• What are several different kinds of SOS messages? (you cannot include anything that is related to a cell phone)

• What can be used to create and send an SOS message?

**Day 2, Part 4:** Read your scenario and your supply list. You must come up with two rescue plans; at least one must be a way to send a SOS message using sound waves. The second rescue plan can be to send an SOS message, a plan to return to civilization or another way to rescue yourselves. Remember, you must only use the materials provided in your scenario.

Outline of Plan A

Outline of Plan B

X\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Presentation Rubric**

You will present your two rescue plans to the class. Your plan should include background information, scenario, and two well thought out written summaries of your plans and an annotated classroom map of your rescue plan. You may present anyway you would like with Ms. Murphy’s approval. (Video, google slides, board, skit)

Be sure to present your scenario and material list, so that your classmates can follow along with the presentation.

**Checklist**

\_\_\_ 5 paragraph essay with evidence and sources to back up your information (turned in separately) (15)

\_\_\_ Background /research (5) (detailed description of SOS messages, real life example)

\_\_\_ Written summary of plan A and B (include the vocab amplitude, frequency, wavelength, and medium) (10)

\_\_\_ One plan must describe how to send a rescue message using soundwaves (5)

\_\_\_ Two hand drawn pictures of your plans included in your presentation (colored, detailed and labeled) (10)

\_\_\_ Presentation is neat, appealing and organized (5)

\_\_\_professionalism (5)

\_\_\_ Class participation (10)