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

Purple **Station 5: Electromagnetic Spectrum**

**Pre-activity question:** What kind of electromagnetic radiation have you been exposed to this year?

Today?

**Part 1:**

1. Log onto the Chromebook, open an internet tab, and type in the following web address: <http://earthguide.ucsd.edu/eoc/special_topics/teach/sp_climate_change/p_emspectrum_interactive.html>

-You may have to click “enable Adobe Flash player” then select “allow”

If it doesn’t work

-type into google “electromagnetic spectrum interactive”

-Select the first site that pops up

2. Explore the interactive and answer the discussion questions found at the bottom of the spectrum on the same paper as your diagram.

**Part 2:** You will be creating colored model of the electromagnetic spectrum using the following resources. Your diagram needs to include the kinds of radiation with an example, definition and picture.

**Task Steps:** .

1. Watch the following video: BrainPop: Electromagnetic Spectrum

-Go to “brainpop.com”

-In the search box type “electromagnetic spectrum”, click the first video (top left).

-Login: stout 1 password: falcon

**Part 3** Answer the following question using complete sentences and a restate on your model.

1. Which type of radiation (on the Electromagnetic Spectrum) do you think is the MOST harmful to humans? Provide evidence from the self-guided tour, videos, and/or readings.