



EM Spectrum Invention Project

1) Read the article linked here:

[Endangered Animals Get Watchful Eye From Astronomy Software](#)

2) Fill in the chart below:

What is the problem the invention is meant to solve?	Which waves on the EM spectrum is the invention using?	Describe the invention and how it works.	Who will buy/use the invention?

Now, make your own invention.

Describe your ideas in the chart below using complete sentences.

Requirements:

- 1) Needs to solve a problem.
- 2) Needs to use a wave/waves on the EM spectrum.
- 3) Draw (digitally or physically) a labeled diagram on a poster (at least 11"x14") with a creative name for your invention that describes what it will do. Be sure to include the type of EM waves being used, the problem your invention will solve, how it works, and who you will market the invention to.

What is the problem the invention is meant to solve?	Which waves on the EM spectrum is the invention using?	Describe the invention and how it works.	Who will buy/use the invention?

What challenges do you see for your project?

Rubric

CATEGORY	4	3	2	1
Use of Class Time	Used time well during each class period. Focused on getting the project done. Never distracted others.	Used time well during each class period. Usually focused on getting the project done and never distracted others.	Used some of the time well during each class period. There was some focus on getting the project done but occasionally distracted others.	Did not use class time to focus on the project OR often distracted others.
Required Elements	The poster includes all required elements as well as additional information.	All required elements are included on the poster.	All but 1 of the required elements are included on the poster.	Several required elements were missing.
Attractiveness	The poster is exceptionally attractive in terms of design, layout, and neatness.	The poster is attractive in terms of design, layout and neatness.	The poster is acceptably attractive though it may be a bit messy.	The poster is distractingly messy or very poorly designed. It is not attractive.
Labels	All items of importance on the poster are clearly labeled with labels that can be read from at least 3 ft. away.	Almost all items of importance on the poster are clearly labeled with labels that can be read from at least 3 ft. away.	Several items of importance on the poster are clearly labeled with labels that can be read from at least 3 ft. away.	Labels are too small to view OR no important items were labeled.
Mechanics	Capitalization and punctuation are correct throughout the poster.	There is 1 error in capitalization or punctuation.	There are 2 errors in capitalization or punctuation.	There are more than 2 errors in capitalization or punctuation.

Picture Citation:

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