

Super Hero-Super Villain (Electromagnetic Spectrum or Element)

You have been hired by **Megaminds**, a comic book publisher, to create a new superhero/villain whose appearance, characteristics, and powers are based on an assigned science concept. Your supervisor wants to present your new superhero/villain trading card with illustration and information.

- Your trading card needs to be on a small sheet of posterboard (1/2 sheet). It will include an illustration of your hero/villain, your hero/villain's name, your vocabulary word with definition, and a paragraph description of their powers.

Illustration of your super hero or super villain	Hero/villain name Part of the Spectrum or Element – definition Your hero/villain story Power guide information (paragraph format)
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Illustration

- You may create your own superhero/villain from your imagination, copy it from a comic book, draw and color him/her on a sheet of paper or computer generate one.

(boys must make a male hero or villain and girls must make a female heroine or villain)

- If you choose to computer generate your hero/villain you may use one of these websites:
 - <http://www.ugo.com/channels/comics/heromachine2/heroMachine2.asp>
 -

Directions:

- Choose your part of the Spectrum or your element from my choice box.
- Research the definition and fill out the power guide in your google classroom (see below)
- Create your ½ poster as shown above with all of your information.

Electromagnetic Spectrum

Radio waves

Infrared Waves

Ultraviolet waves

Gamma rays

Microwaves

Light Waves

X-rays

Making A Poster: Superhero - Super Villain Trading Card

Student Name: _____

Period _____

CATEGORY	4	3	2	1
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.
Graphics - Clarity	Graphics are all in focus and the content easily viewed and identified from 6 ft. away.	Most graphics are in focus and the content easily viewed and identified from 6 ft. away.	Most graphics are in focus and the content is easily viewed and identified from 4 ft. away.	Many graphics are not clear or are too small.
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.
Knowledge Gained	Student can accurately answer all questions related to facts in the poster and processes used to create the poster.	Student can accurately answer most questions related to facts in the poster and processes used to create the poster.	Student can accurately answer about 75% of questions related to facts in the poster and processes used to create the poster.	Student appears to have insufficient knowledge about the facts or processes used in the poster.
Content - Accuracy	The hero/villain portrays the vocabulary word in a clearly, creatively defined way.	The hero/villain is connected to the vocabulary word.	The hero/villain is a bit vague in its connection to the vocabulary word but is understood with explanation.	The hero/villain does not have any connection to the chosen vocabulary word.
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.
Grammar	There are no grammatical mistakes on the poster.	There is 1 grammatical mistake on the poster.	There are 2 grammatical mistakes on the poster.	There are more than 2 grammatical mistakes on the poster.