

6. Your EQ is

What info do you need to describe the motion of an object?

Your physical science topic is

Motion

Your superhero/villain is

Spiderman

Your lesson presentation date is

April 9, 2018

	Criteria				Points
	Level 4 20 Points	Level 3 15 Points	Level 2 10 Points	Level 1 5 Points	
Research (Document)	Students thoroughly researched the topic and took accurate notes. ✓	Students researched the topic and took accurate notes.	Students either did not do enough research or the notes had some errors.	The topic was not researched and/or the notes had major errors.	20
Slides	Students created an excellent slide show that correctly explained the concept and included all the required elements.	Students created a slideshow that was missing one of the required elements.	Students created a slideshow that was missing two of the required elements.	Students create a slideshow that was missing three of the required elements.	20
Guided Notes	Guided notes allowed students to easily follow along and have accurate notes of the material. ✓	Guided notes were sloppy, hard to follow, or had one error.	Guided notes did not cover all of the material or contained more than one error.	Guided notes were minimal or contained major errors.	20
Lesson Presentation	Students showed confidence, spoke clearly, used eye contact, enthusiasm, and articulation. ✓ <i>→ Stop asking if they're ready during note taking</i>	Students were able to articulate ideas, but did not show enthusiasm or confidence.	Students spoke quickly, mumbled, did not talk loudly enough, or seemed disinterested in the material.	Student did not seem familiar with the presentation.	20
Total Product	Students were able to teach the concept accurately, in an interesting way, and relate it to superheroes. ✓	Students were able to accurately teach the concept but not interestingly OR not related to superheroes..	Students were able to explain the concept somewhat accurately.	Students missed the concept completely.	20
Total Points					100

- Correctly differentiates between displacement and distance.
- Nice activity (not sure it needed to take 10 mins.)
- Great connection between real-world motion; displacement vs. distance and speed; and Spiderman.

Ella  
Charlie  
Chase  
Alena

6. Your EQ is

How does magnetism affect the motion of objects

Your physical science topic is

Magnetism/Electromagnetism

Your superhero/villain is

Magneto (master of Ferromagnetism)

Your lesson presentation date is

April 17, 2018

	Criteria				Points
	Level 4 20 Points	Level 3 15 Points	Level 2 10 Points	Level 1 5 Points	
Research (Document)	Students thoroughly researched the topic and took accurate notes. <i>The info. from your notes</i>	Students researched the topic and took accurate notes.	Students either did not do enough research or the notes had some errors.	The topic was not researched and/or the notes had major errors.	17
Slides	Students created an excellent slide show that correctly explained the concept and included all the required elements. <i>does not match your slideshow</i>	Students created a slideshow that was missing one of the required elements.	Students created a slideshow that was missing two of the required elements.	Students create a slideshow that was missing three of the required elements.	20
Guided Notes	Guided notes allowed students to easily follow along and have accurate notes of the material. <i>- Red Text to focus notes</i>	Guided notes were sloppy, hard to follow, or had one error.	Guided notes did not cover all of the material or contained more than one error.	Guided notes were minimal or contained major errors.	20
Lesson Presentation	Students showed confidence, spoke clearly, used eye contact, enthusiasm, and articulation. <i>-1 EP/CP/CT</i>	Students were able to articulate ideas, but did not show enthusiasm or confidence.	Students spoke quickly, mumbled, did not talk loudly enough, or seemed disinterested in the material.	Student did not seem familiar with the presentation.	19
Total Product	Students were able to teach the concept accurately, in an interesting way, and relate it to superheroes. <i>-2 not interactive</i>	Students were able to accurately teach the concept but not interestingly OR not related to superheroes..	Students were able to explain the concept somewhat accurately.	Students missed the concept completely.	18
*Difference b/t ferrous and ferri?					Total Points (94)

-Kahoot  
-Emailed class test  
-EP unique management styles

-Deen is asleep.

-Jack & Deen are wearing/using earbuds.

-4 people is too many to present to a group of 13 (esp. if you're all standing in front)  
-6 types of Ferromagnetism  
- Ferrimagnetism

- You were not the greatest audience for the groups that came before you.

• Video clips to focus on powers rather than show full video.

- Group discussion/CB circulating to a couple of tables/checking tables by calling on volunteers.

• Poles  
- Ferrous metals (iron, nickel, cobalt) / Ferri metals (some elements) aligned

6. Your EQ is

How do different forces affect gravity?

Your physical science topic is

Overcoming Gravity

Your superhero/villain is

Superman

Your lesson presentation date is

April 16, 2018

	Criteria				Points	
	Level 4 20 Points	Level 3 15 Points	Level 2 10 Points	Level 1 5 Points		
Research (Document)	Students thoroughly researched the topic and took accurate notes. ✓	Students researched the topic and took accurate notes.	Students either did not do enough research or the notes had some errors.	The topic was not researched and/or the notes had major errors.	20	
Slides	Students created an excellent slide show that correctly explained the concept and included all the required elements. ✓	Students created a slideshow that was missing one of the required elements.	Students created a slideshow that was missing two of the required elements.	Students create a slideshow that was missing three of the required elements.	20	
Guided Notes	Guided notes allowed students to easily follow along and have accurate notes of the material. ✓	Guided notes were sloppy, hard to follow, or had one error.	Guided notes did not cover all of the material or contained more than one error.	Guided notes were minimal or contained major errors.	20	
Lesson Presentation	Students showed confidence, spoke clearly, used eye contact, enthusiasm, and articulation. ✓	Students were able to articulate ideas, but did not show enthusiasm or confidence.	Students spoke quickly, mumbled, did not talk loudly enough, or seemed disinterested in the material.	Student did not seem familiar with the presentation.	18	
Total Product	Students were able to teach the concept accurately, in an interesting way, and relate it to superheroes.	Students were able to accurately teach the concept but not interestingly OR not related to superheroes. <i>did you bring it back to Superman at the end? OK (+2)</i>	Students were able to explain the concept somewhat accurately.	Students missed the concept completely.	16	
- There was some last minute planning ...					Total Points	94

• Human Fan?  
• Capes are not aerodynamic

→ 2 Active monitoring  
- Three students have laptops open during time.

- Opening scene of Superman trying to overcome gravity.
- Forces needed to overcome gravity.
  - air resistance (friction)
  - upward force
- Earth's gravity (constant)
- Newton's Theory of Gravity
- Guided Notes / Quiz [use of timer] 😊 [stayed in one place] 😞
- StudyJams - Video - Quiz on Laptops. (Justifying the need for the laptop)
- Went over answers a lot of questions

Cameron  
Michael  
R.

6. Your EQ is

What is the most effective natural material for use as a shield? (strongest per unit of mass)  
Your physical science topic is

Materials Science

Your superhero/villain is

Captain America

Your lesson presentation date is

Apr. 13, 2018

	Criteria				Points
	Level 4 20 Points	Level 3 15 Points	Level 2 10 Points	Level 1 5 Points	
Research (Document)	Students thoroughly researched the topic and took accurate notes. ✓	Students researched the topic and took accurate notes.	Students either did not do enough research or the notes had some errors.	The topic was not researched and/or the notes had major errors.	20
Slides	Students created an excellent slide show that correctly explained the concept and included all the required elements. ✓	Students created a slideshow that was missing one of the required elements.	Students created a slideshow that was missing two of the required elements.	Students create a slideshow that was missing three of the required elements.	20
Guided Notes	Guided notes allowed students to easily follow along and have accurate notes of the material. ✓	Guided notes were sloppy, hard to follow, or had one error.	Guided notes did not cover all of the material or contained more than one error.	Guided notes were minimal or contained major errors.	20
Lesson Presentation	Students showed confidence, spoke clearly, used eye contact, enthusiasm, and articulation. ✓	Students were able to articulate ideas, but did not show enthusiasm or confidence.	Students spoke quickly, mumbled, did not talk loudly enough, or seemed disinterested in the material.	Student did not seem familiar with the presentation.	20
Total Product	Students were able to teach the concept accurately, in an interesting way, and relate it to superheroes.	Students were able to accurately teach the concept but not interestingly OR not related to superheroes..	Students were able to explain the concept somewhat accurately.	Students missed the concept completely.	17
<u>-Vibranium (Capt's Shield)</u>					Total Points
					<u>(97)</u>

• Got a little technical (boring) at the end.  
• Bullet proof, 50 lbs or less, thermite proof, protect from scrap metal, 3 Not very interactive.  
• Velocity of projectiles hitting armor

• Describe what tungsten is. • Effective, reactive, Angling, spaced, Kinetic Armor  
• Neutron star core; hypernova (not on earth) are metals/most metals are solid at room temp  
• Materials Science - the study of the matter from which a thing can be made. (metals, semiconductors, ceramics, polymers)  
• Shields = Armor  
• Toughness vs. Hardness (diamonds are hard/Silly Putty is Tough - Titanium is both) but also price

Camille  
Sophie

6. Your EQ is

How do simple machines make work easier?

Your physical science topic is

Simple Machines

Your superhero/villain is

Batman

Your lesson presentation date is

April 12, 2018

	Criteria				Points
	Level 4 20 Points	Level 3 15 Points	Level 2 10 Points	Level 1 5 Points	
Research (Document)	Students thoroughly researched the topic and took accurate notes. ✓	Students researched the topic and took accurate notes.	Students either did not do enough research or the notes had some errors.	The topic was not researched and/or the notes had major errors.	20
Slides	Students created an excellent slide show that correctly explained the concept and included all the required elements. ✓	Students created a slideshow that was missing one of the required elements.	Students created a slideshow that was missing two of the required elements.	Students create a slideshow that was missing three of the required elements.	20
Guided Notes	Guided notes allowed students to easily follow along and have accurate notes of the material.	Guided notes were sloppy, hard to follow or had one error. ✓ <i>Inclined Plane, not Plate</i>	Guided notes did not cover all of the material or contained more than one error.	Guided notes were minimal or contained major errors.	15
Lesson Presentation	Students showed confidence, spoke clearly, used eye contact, enthusiasm, and articulation. ✓ -2 <i>-some difficulty with examples on the spot</i>	Students were able to articulate ideas, but did not show enthusiasm or confidence.	Students spoke quickly, mumbled, did not talk loudly enough, or seemed disinterested in the material.	Student did not seem familiar with the presentation.	18
Total Product	Students were able to teach the concept accurately, in an interesting way, and relate it to superheroes. ✓	Students were able to accurately teach the concept but not interestingly OR not related to superheroes..	Students were able to explain the concept somewhat accurately.	Students missed the concept completely.	19
-Call attention of whole class before sharing ideas.					Total Points
					95

- Levers, Inclined Plane, screw, wheel + axle, wedge, pulley
- Use of vines to engage peers
- The activity was interesting but I'm not sure 3:00 was enough time. (I stand corrected. They were able to finish)
- Google Forms (+3)

Emily  
Charlotte  
Camden

6. Your EQ is

How does heat transfer between objects?

Your physical science topic is

Thermodynamics

Your superhero/villain is

Human Torch

Your lesson presentation date is

April 12, 2018

	Criteria				Points
	Level 4 20 Points	Level 3 15 Points	Level 2 10 Points	Level 1 5 Points	
Research (Document)	Students thoroughly researched the topic and took accurate notes. ✓	Students researched the topic and took accurate notes.	Students either did not do enough research or the notes had some errors.	The topic was not researched and/or the notes had major errors.	20
Slides	Students created an excellent slide show that correctly explained the concept and included all the required elements. ✓ -2 Capitalization issues in slideshow: Final Four; July 4 <sup>th</sup> etc.	Students created a slideshow that was missing one of the required elements.	Students created a slideshow that was missing two of the required elements.	Students create a slideshow that was missing three of the required elements.	18
Guided Notes	Guided notes allowed students to easily follow along and have accurate notes of the material. ✓ -2 some people put the foldable in their notes although not instructed to do so	Guided notes were sloppy, hard to follow, or had one error.	Guided notes did not cover all of the material or contained more than one error.	Guided notes were minimal or contained major errors.	18
Lesson Presentation	Students showed confidence, spoke clearly, used eye contact, enthusiasm and articulation. ✓ -3 Unable to explain differences	Students were able to articulate ideas, but did not show enthusiasm or confidence.	Students spoke quickly, mumbled, did not talk loudly enough, or seemed disinterested in the material.	Student did not seem familiar with the presentation.	17
Total Product	Students were able to teach the concept accurately, in an interesting way, and relate it to superheroes.	Students were able to accurately teach the concept but not interestingly OR not related to superheroes. ✓ It seemed like you	Students were able to explain the concept somewhat accurately.	Students missed the concept completely.	17
- Surprise Kahoot? were adding things as you went along.				Total Points	90

- Fantastic Four, not Final Four
- What happens when you rapidly cool hot metal?
- Radiation, Convection, Conduction
- Conductors + Insulators
- How did HT evolve over time? Use vocab. in your response.

Rachel  
Ashley  
Anya

6. Your EQ is

How does momentum affect the movement of objects?

Your physical science topic is

Momentum

Your superhero/villain is

Wonder Woman

Your lesson presentation date is

April 11, 2018

	Criteria				Points
	Level 4 20 Points	Level 3 15 Points	Level 2 10 Points	Level 1 5 Points	
Research (Document)	Students thoroughly researched the topic and took accurate notes. ✓	Students researched the topic and took accurate notes.	Students either did not do enough research or the notes had some errors.	The topic was not researched and/or the notes had major errors.	20
Slides	Students created an excellent slide show that correctly explained the concept and included all the required elements. ✓	Students created a slideshow that was missing one of the required elements.	Students created a slideshow that was missing two of the required elements.	Students create a slideshow that was missing three of the required elements.	20
Guided Notes	Guided notes allowed students to easily follow along and have accurate notes of the material. ✓	Guided notes were sloppy, hard to follow, or had one error.	Guided notes did not cover all of the material or contained more than one error.	Guided notes were minimal or contained major errors.	20
Lesson Presentation	Students showed confidence, spoke clearly, used eye contact, enthusiasm, and articulation.	Students were able to articulate ideas, but did not show enthusiasm or confidence. <i>Anya - sitting</i>	Students spoke quickly, mumbled, did not talk loudly enough, or seemed disinterested in the material.	Student did not seem familiar with the presentation.	19
Total Product	Students were able to teach the concept accurately, in an interesting way, and relate it to superheroes. ✓*	Students were able to accurately teach the concept but not interestingly OR not related to superheroes..	Students were able to explain the concept somewhat accurately.	Students missed the concept completely.	20
Total Points					99

- Highlighting info. that will need to be learned for assessment.
- Time management (pencils down when done, cut and paste after)
- Weight vs. Mass
- Asking for volunteers to answer ques.
- Math calculations
- Explanation of WW's ability to fly (instead of invisible jet)
- Conservation of Momentum

Treyson  
Jake  
Junior

6. Your EQ is

How do balanced and unbalanced forces differ? How do each affect the movement of objects?

Your physical science topic is

Balanced & Unbalanced Forces

Your superhero/villain is

Thor vs. Hulk

Your lesson presentation date is

April 11, 2018

	Criteria				Points
	Level 4 20 Points	Level 3 15 Points	Level 2 10 Points	Level 1 5 Points	
Research (Document)	Students thoroughly researched the topic and took accurate notes. ✓	Students researched the topic and took accurate notes.	Students either did not do enough research or the notes had some errors.	The topic was not researched and/or the notes had major errors.	20
Slides	Students created an excellent slide show that correctly explained the concept and included all the required elements. ✓ - "words"	Students created a slideshow that was missing one of the required elements.	Students created a slideshow that was missing two of the required elements.	Students create a slideshow that was missing three of the required elements.	19
Guided Notes	Guided notes allowed students to easily follow along and have accurate notes of the material. ✓	Guided notes were sloppy, hard to follow, or had one error.	Guided notes did not cover all of the material or contained more than one error.	Guided notes were minimal or contained major errors.	20
Lesson Presentation	Students showed confidence, spoke clearly, used eye contact, enthusiasm, and articulation. ✓ - 1 Sitting	Students were able to articulate ideas, but did not show enthusiasm or confidence. ✓	Students spoke quickly, mumbled, did not talk loudly enough, or seemed disinterested in the material.	Student did not seem familiar with the presentation.	14
Total Product Why random photos? 📷	Students were able to teach the concept accurately, in an interesting way, and relate it to superheroes. ✓	Students were able to accurately teach the concept but not interestingly OR not related to superheroes..	Students were able to explain the concept somewhat accurately.	Students missed the concept completely.	20
Total Points					98

-How do movie clips demonstrate balanced/unbalanced forces? Asks volunteers to share.

- What is the driving force?
- Total vs. Net Force
- Turn and Talk rather than asking random people to share who don't want to share.

+3-Using Kahoot

Carson  
Justin

6. Your EQ is

How does electricity affect the motion of objects? Compare + contrast static and current electricity.

Your physical science topic is

Electrostatic Discharge

Your superhero/villain is

Storm

Your lesson presentation date is

April 10, 2018

	Criteria				Points
	Level 4 20 Points	Level 3 15 Points	Level 2 10 Points	Level 1 5 Points	
Research (Document)	Students thoroughly researched the topic and took accurate notes. ✓	Students researched the topic and took accurate notes.	Students either did not do enough research or the notes had some errors.	The topic was not researched and/or the notes had major errors.	20
Slides	Students created an excellent slide show that correctly explained the concept and included all the required elements. ✓	Students created a slideshow that was missing one of the required elements.	Students created a slideshow that was missing two of the required elements.	Students create a slideshow that was missing three of the required elements.	20
Guided Notes	Guided notes allowed students to easily follow along and have accurate notes of the material. ✓	Guided notes were sloppy, hard to follow, or had one error.	Guided notes did not cover all of the material or contained more than one error.	Guided notes were minimal or contained major errors.	20
Lesson Presentation	Students showed confidence, spoke clearly, used eye contact, enthusiasm, and articulation. ✓ - I just live loud and proud	Students were able to articulate ideas, but did not show enthusiasm or confidence.	Students spoke quickly, mumbled, did not talk loudly enough, or seemed disinterested in the material.	Student did not seem familiar with the presentation.	20
Total Product	Students were able to teach the concept accurately, in an interesting way, and relate it to superheroes. ✓	Students were able to accurately teach the concept but not interestingly OR not related to superheroes..	Students were able to explain the concept somewhat accurately.	Students missed the concept completely.	20
Tesla vs. Boltman (Tesla as a superhero?)				Total Points	100

-Losing attention at the end.

- Ted Ed video/ques. addressed
- Tesla video (AC/DC)
- Plasma Ball (demo of charge equilibrium)
- Motor (demo of DC)

- Turn + Talk (T) - go around and check with one group)

Well explained

\*Bullet Points at the end.

Hands-on engagement of most; lost the attention of a couple