Task Roation Lesson Reflection

1. Review:

Setting: I implemented my Task Rotation lesson on December 19th and 20th, 2019. It was an Earth Science Astronomy lesson that was implemented in a series of six grade Middle School inclusion classrooms with 24 gifted students. The students included 14 females and 10 males and of these gifted students 1 is twice exceptional. The lesson has students independently learn about early astronomers and their theories of the solar system, connecting that "ideas in science change over time with new evidence". To achieve this, the lesson is broken into Parts. Part 1: research and take notes of early astronomers and their theories using a graphic organizer, Part 2: Synthesize learning and show what you now know by independently completing a learning style based choice task using their notes, and Part 3: Synthesis wrap up by discussing and writing a CER as a group.

Modifications from Lesson Plan: When implementing this lesson, I changed the original essential question from "What does it take for scientific ideas to change? to "What causes scientific theories to change over time and why? (I changed it when I presented it to first period after listening to the questions from the students.). I also returned to the essential question at the end of the lesson with review of learning target and discussion of their CERs. This really helped summarize learning and encourage students to explain their thinking and mental models for how science changes over time. My final change to the lesson was to ask students to consider current scientific ideas and what it would take for this idea to change. I had to give them an example (climate change debate) because it was too hard for them to come up with their own (the question was met with dead silence.).

<u>Technology</u>: A smart board with google slides were used to facilitate the lesson with a slide show. Youtube time lapse video was used for the hook, and a google form was used to formatively assess students' reaction to the lesson and to gather data for future task rotation lesson implementation. (In the future I would have a separate google classroom for my gifted students vs the others to simplify data gathering and review.)

Assessment: Students were informally assessed based on teacher observations and question responses during independent research and product work. Their choice tasks were assessed using the rubric from the lesson plan. Data collected on students showed that most students preferred the creative learning style of drawing a poster and the least number of students chose the interpersonal style of creating their own model of the solar system (see data collected below). Not surprisingly, choices seemed to match students' preferred learning style (assessed with multiple choice questions similar to those teachers in this class took). Grades for the choice projects showed that 22_met and/or exceeded the learning target for "I can conduct research to identify early astronomers and their different theories of Earth's place in our solar system", while _2__ students did not meet the learning target. (For data see below.) I am also confident that the learning target ("I can discuss how scientific theories change with the addition of new information and give an example of when this has happened in history.") was met based on reading their CERs and listening to their group comments: Student 1: "Yeah, but that wasn't always true. Student 4: "Ok, but isn't that the point that ideas change over time?" Student 6: "Originally it

was the view of the universe and then it was the view of the solar system, right.? and "Telescopes helped...." I asked this student "How can that be evidence for your answer to the general question?" and the group discussed this for another 5 minutes.

2. Reflect:

In reflecting on the implementation of this lesson, I noticed that creating the choice task to assess students research really, really worked. I often use webquests for students to independently learn a concept, but I rarely give them a "reason" to do it (and they only half heartedly complete the research). Without a product that requires the research to be used, the students do not see the need for it. I liked the group CER as a means to assess the second learning target of a big idea "How scientific ideas change overtime". Next time, however, I would create a rubric to assess their CER responses more formally.

From the responses to a google survey about the lesson, the students really enjoyed it. When asked "Did you like doing research into scientists and then showing your learning about their theories with a choice task?", 43.9% said definitely, 50% said mostly and only 6.1% said no. (Survey data below).

Overall this whole lesson was a GREAT success. I was surprised by how many students said they both liked independence, choice AND working in a group to show their understanding. I was also very happy that my Gifted students were very engaged throughout the whole process, especially the group discussion. My twice exceptional student much preferred the creative project and struggled to participate in her group. (She did happily show everyone (multiple times) her poster.) My two ADD Gifted students struggled to focus and complete the choice task, but did a great job in discussions.

3. Refine:

After implementing the lesson, analyzing student products, and reflecting on the whole process, I would definitely do this again-however, I would do so with modifications. First, I would have students sign up for different scientists to have a balanced representation of all the historical scientists in the CER discussion groups. Second, I would create a rubric to assess student CER work and in it include how many pieces of evidence is required for a strong/mastery-based CER. Third, I would consider asking certain students take a risk with a non-preferred learning style to balance out the CER discussion groups so that not everyone choses to create a poster. Fourth, I would have pre-made posters & comparison charts ready for students who did not finish the assignment, enabling them to participate in part 3 effectively. Fifth, discuss with students what prior knowledge they already have (possibly with a KWL), so they do not rely on prior knowledge in the CER rather than using their webquest/reading research. Sixth, change the interpersonal task so that it is specific to geo and helio so students didn't go into detail about black holes (see changes in data section). Finally, I would change the poster task to compare two scientists (with differing views of the solar system) on the same poster (see below). I found that some students (4 gifted students) did not follow directions and only researched one scientist, created a poster for him, and called it a day. By doing so they missed the key component of the learning target, "Change". I will definitely use this lesson format in the future. Already I am planning it for the beginning of our Water Unit.

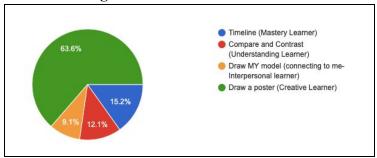
END OF WRITTEN REFLECTION

Assessment Data

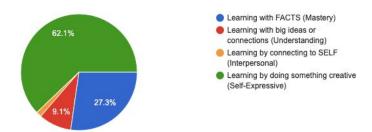
When asked "Did you like doing research into scientists and then showing your learning about their theories with a choice task?", 43.9% said definitely, 50% said mostly and only 6.1% said no. Examples of student responses for why they said yes, no or mostly:

- Student 1: "I liked having the choice of expressing what we learned. I also liked working as a group to gather more information with more work and evidence. I also liked how we could learn about many early astronomers."
- Student 2: "I liked working as a group to come up with a reasonable CER paragraph. I also liked being able to share my ideas with the poster that I did."
- Student 4: "I liked being able to share what I have learned with my group and understand how it can be combined with others"
- Student 6: "how you realize how time changes and how back then they had to use way different things than what we use now."
- Student 7: "That we got to be creative in the way of showing people what we learned."
- Student 8:"I liked it because we were able to express are creativity and choice."
- Student 10: "I liked that we got to choose what we did."

Which learning task was chosen



Which learning style do you prefer?



Change to the Choice task based on reflection

Expressive Learning Style

Create a poster for one of the famous Astronomers be sure to include

- Name
- · Picture of scientist
- Years alive
- View of the Universe
- Draw a model of their view of the Universe
- What makes this scientist famous
- · 2 interesting facts

Expressive Learning Style

Create a poster fto

compare two of the famous Astronomers who had different views of the solar system be sure to include for each scientist

- Name
- · Picture of scientist
- Years alive
- View of the Universe
- Draw a model of their view of the Solar System
- What makes this scientist famous
- · 2 interesting facts

Change this

to this

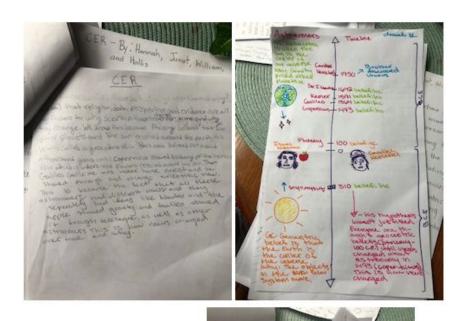
PHOTOS OF LESSON in action

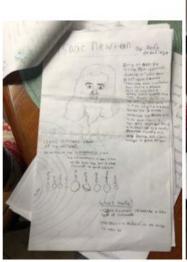


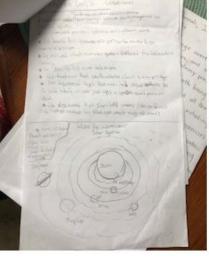


EXAMPLES OF Student Work

Students 1-4 (CER Group A)









Copy of teacher Commentary provided to students in Group A

CER was strong. You included a claim, supported by 4 pieces of evidence and you provided strong, detailed reasoning (an example) that compared different views from multiple scientists.

Student 1: "Your timeline was very creative, included all of the required content (complete). It was accurate, plus it clearly communicated the information asked for. Well done.

Student 2: Newton Poster: "Your poster showed creativity by adding the extra drawing of the Astronomer. It included all of the required content (complete) and it was accurate, plus it clearly communicated the information asked for. To strengthen your creativity component, next time add some color.

Student 3: Galileo Poster: "Your poster included all of the required content (complete) and it was accurate. You clearly communicated the information asked for. To strengthen your creativity component, next add some color.

Analysis of implemented lesson-Kostka

(Expanded Ticket in the Door)

Student 4: Ptolomy Poster: "Your poster included mostly complete and what you wrote was accurate. You clearly communicated your information. To strengthen your work, next time add color and add detail to your work.

RUBRIC for Task Rotation (Total 50 points) GROUP A

| Criteria | Full Credit 10 Points | Half Credit 8 points | Partial Credit 6 points | Grade: |
|---|--|---|---|----------|
| Content: Is the content of the product well chosen? | Content or model chosen represents the best choice for the product. Graphics are well chosen and related to content. | Information, model or graphics are related to content, but are not the best choice for the product | Information, model or graphics presented does not appear to be related to topic or tasks. | 10 |
| Completeness: Is everything included in the product? | All information needed is included. Product meets the product criteria and the criteria of the task as stated. | Includes most important information. Product meets the product criteria and the criteria of the task as stated. | Includes less than 50% of the important information. The product does not meet the task, or does not meet the product | 8 |
| Creativity: Is the product original? | Presentation and Graphics are original. Product includes an element of fun, interest, or creativity. | Presentation of information is from a new perspective. Graphics are not original. Product has elements of fun and interest. | There is no evidence of new thoughts or perspectives in the product. | 8 |
| Correctness: Is all the information included correct? | All the information presented in the product is correct and accurate | N/A | Any portion of the information presented in the product is incorrect. | 10 |
| Communication: Is the information in the product well communicated? | Everything is neat & easy to read. It is in appropriate format & shows significant effort. Presentations are easy to understand and presented with fluency. NO COPY AND PASTED INFO! | Most of the product is neat and easy to read. Product is in appropriate format and show significant effort. Oral presentations are easy to understand, with some fluency. | The product is not neat and easy to read or the product is not the appropriate format. It does not show significant effort. Oral presentation was not fluent or easy to understand. | TOTAL 46 |

<u>Choice Assignment</u>: Choose one of the four tasks below to show your understanding of the learning target. Hand your final product into the bin by the door.

| Mastery | Understanding | Interpersonal | Expressive |
|--|---|---|--|
| Learning Style | Learning Style | Learning Style | Learning Style |
| Create a timeline showing how the views of the universe have changed over time. For each point on the timeline, be sure to include Date Astronomer View of universe Why think this | Compare and contrast the two main views of the solar system by early astronomers either in a chart or a double bubble graphic organizer. Be sure to include Name of view Similarities Difference Who believed in it | What is your view of the solar system? Which of the views you researched do you agree with. Draw a picture (model) of it and include what evidence convinces you that you are right? | Create a poster for one of the famous Astronomers be sure to include Name Years alive View of the Universe Draw a model of their view of the Universe What makes this scientist famous 2 interesting facts |

COPY OF LESSON

Lesson Plan Candidate: Beth Kostka

Unit Name Astronomy

Lesson Name Time Needed (Hours/Days)

Grade Subject Course

| 6 | Earth Space | 6th grade Earth Space Science |
|---|-------------|-------------------------------|

Essential Question(s)

What should students know when lesson is completed?

QUESTION

What does it take for scientific ideas to change?

Standard

GSE

S6E1. Obtain, evaluate, and communicate information about current scientific views of the universe and how those views evolved.

a. Ask questions to determine changes in models of Earth's position in the solar system as evidence that scientific theories change with the addition of new information.

Learning Targets:

- I can conduct <u>research</u> to <u>identify</u> early astronomers and their different theories of Earth's place in our solar system
- I can explain how the view of Earth's position in the solar system has changed over time
- I can <u>discuss</u> how scientific theories change with the addition of new information and <u>give an example</u> of when this has happened in history.

Teacher Lesson Preparation

<u>Prior Knowledge/Skills:</u> Prior to the task rotation, students will be introduced space and its scale through video clips. In each unit, students discuss scale and patterns (NGSS Cross Cutting Concepts Standards) and this will aid them in understanding why it was hard to accurately observe and infer knowledge of our solar system throughout history.

<u>Gifted Identification</u>: Students are identified as gifted through CSD testing and qualification. I have 24 students identified as gifted in science plus 16 Gifted in Math and/or Gifted in Reading and 1 twice exceptional (for a total of 41 gifted students in my class).

Goals/Standards: The goals of the lesson are for students to be able to

- Conduct their own research into early astronomers and identify their views on the solar system.
- Use their notes to show their understanding of the learning target
- Explain how the view of Earth's position in the solar system has changed over time
- Discuss that scientific theories change with the addition of new information

Pre-assessment:

To pre-assessed whether students have met the learning goals prior to this lesson, they were given a google form pre-test with 30 questions on astronomy. Specifically the 4 questions on the view of the universe will be reviewed.

Misconceptions:

Based on assessment from prior years and from ____ website, I know that students have misconceptions that the view of Earth orbiting around the sun has always been agreed upon. Additional indirect misconceptions that exist about our solar system include

• The Earth is the center of the **Solar System** about which the other objects revolve.

- The **Solar System** formed during the Big Bang, along with the rest of the Universe.
- The **Solar System** is the same as our Galaxy.

"Grouping strategies": Students will not be grouped. This is an individual project.

Text Choice:

Attempted to choose the primary reading from NewsELA, but no text was close enough aligned to the topic. As a result, one of the two primary texts for each astronomer to be researched was chosen from **WorldBook**. The second text was written personally by Beth Kostka. The text written by Beth Kostka were leveled for lower lexile reading using the website rewordify.com.

Special Population Consideration:

Texts purposely include female astronomers to connect with the special population of female gifed students. Graphic organizer provides structure for twice gifted students and the self expressive task is provided for creatively identified gifted students.

Activating Strategy (for example: Hook/Mini-Lesson/Warm-Up/Connection to Prior Learning)

<u>Hook/Activating Strategy</u>: Students will watch time-lapse video of a night sky and make observations of what is located in the night sky and how it moves. Students will then be asked to look at a model of the Earth and solar system and explain whether they agree with the model based solely on their observations of the time-lapse photography. By making their own observations of the night sky students will connect with early astronomers to understand why they believed as they did (that the Earth is the center of the solar system) since students will see the stars and planets arcing across the night sky appearing to orbit the Earth.

Instructional Sequence and Activities

The focus of this activity is for students to independently learn about early astronomers and their theories of the solar system, connecting that ideas change over time with new evidence. To achieve this, the lesson is broken into Parts. Part 1: research and take notes using a graphic organizer, Part 2: Synthesize learning and show what you now know by completing a task using their notes, and Part 3: Synthesis wrap up.

Part 1-Research and Notes (to be used in task rotation activity)

After the Activating strategy, students will be introduced to the webquest research activity during which students will read text and watch videos about early astronomers and their theories of Earth's place in the solar system. During the research, students will complete a graphic organizer to focus and facilitate learning. Students have completed this kind of task before so they are familiar

Analysis of implemented lesson-Kostka

(Expanded Ticket in the Door)

with webquest research activity. (See the Notes graphic organizer below). Students will work at their own pace through the research. During the research the teacher will move around the room asking probing questions "Which view of the solar system does that scientist have? What was their evidence? Why did they think that? How is their view different from _____ scientist's?"

Part 2: Synthesize learning and show what you now know

When finished with the research and note taking activity, students will then read the four choices provided and choose one based on their preferred learning style (Mastery, Understanding, Interpersonal, Self Expressive) to show they have achieved the learning goal ("I can <u>explain</u> how the view of Earth's position in the solar system has changed over time and that scientific theories change with the addition of new information.)

| Mastery | Understanding | Interpersonal | Expressive |
|---|---|--|---|
| Learning Style | Learning Style | Learning Style | Learning Style |
| Create a timeline showing how the views of the solar system have changed over time. For each point on the timeline, be sure to include Date Astronomer View of universe Why think this | Create a chart to Compare and contrast the two main views of the solar system by early astronomers either in a chart or a double bubble graphic organizer. Be sure to include Name of view Similarities Difference Who believed in it Drawing of it | What is your view of the universe? Draw a picture (model) of it and include labels and what evidence rom your reading that convinces you that you are right? | Create a poster of a famous early Astronomer. Be sure to include for each scientist Name Picture of scientist Years alive View of the Universe Draw a model of their view of the Solar System What makes this scientist famous 2 interesting facts |

Part 3: Synthesis Wrap Up

When finished with task, students will share their understanding and finished products in groups of four. Grouping will be made to have all four learning styles represented in a single group. Each student in a group will have 5 minutes to present their product. At the end of the presentations, students will work as a group to complete a CER (Claim Evidence Reasoning statement) ticket out the door that answers the

question "How have scientific theories changed with the addition of new information and give an example of when this has happened in history." All products and CER statements will be hung around the room and in the science hallway to show learning and student engagement.

Part 4: Survey:

Students will be asked in a google form 1) Why they chose the task they did, 2) Which learning style do they prefer, 3) would they choose that learning style again, and 4) Which learning style they would like to complete the least and why.

Assessment Strategies

Evidence of Learning

- Students will be able to identify early astronomers and their different theories of Earth's place in our solar system
- Students will be able to explain how the view of Earth's position in the solar system has changed over time
- Students will be able to <u>discuss</u> how scientific theories change with the addition of new information and <u>give an example</u> of when this has happened in history.

<u>Assessment</u>: Students will be formatively assessed based on teacher observations and question responses during independent research and product work. Their responses to the CER will also be formatively assessed. The summative assessment will be graded based on a rubric provided to students (see below).

Differentiation

Scaffolds/ Interventions/Extensions/Enrichment/Adaptations for Special Pops students

This lesson differentiates by process (types of scaffolding-graphic organizer vs none) and product (choice for learning style). In addition, it differentiates by content where students who struggle to focus or have other reasons for not completing tasks receive fewer scientists (3) to research verses seven.

Specifically, scaffolds (graphic organizers and timeline checklist) are provided to gifted students needing help with organizational skills. Gifted students who are quick to grasp content and motivated to complete assignments have acceleration options of additional/expanded text sources (see materials section). Gifted students who are struggling writers will be provided with graphic organizer with sentence starters and if completely necessary, "flipgrid" to aid them in verbally articulating their understandings. Struggling readers will receive differentiation with tiered lexile text, a video, sentence starters, and checklist. Finally, creatively gifted students are planned for by including tasks across all learning styles including self-expressive.

Special populations are planned for through text extensions-Women astronomers and minority astronomers (see materials below).

Materials/Links/Text References/Resources

Texts

Ptolomy

- https://drive.google.com/a/csdecatur.net/file/d/0B4BDKk Cf5vUZGZ1WmFLQWRra0U/view?usp=sharing
- https://docs.google.com/a/csdecatur.net/document/d/1zE1S6pHOR7GE1nc-zRj_FjGRdE-m_aYMCQMrdPfNd1Q/edit?usp=sharing

Copernicus

- https://drive.google.com/a/csdecatur.net/file/d/0B4BDKk Cf5vUb2wydjlGM2xzcUE/view?usp=sharing
- https://docs.google.com/a/csdecatur.net/document/d/1Z5S9E4C3AThj6bvKhOM5nXJdMY1-IE1i3UOpsR3AGSE/edit?usp=sharing

Galileo and Newton

- Brainpop
- https://drive.google.com/a/csdecatur.net/file/d/0B4BDKk_Cf5vUN2RPdjdfMmMtMDA/view?usp=sharing
- https://docs.google.com/a/csdecatur.net/document/d/1XG9JgCnmXAxQ3xPcthUN4q59EB-ZWKMUsjOf_1qU-xQ/edit?usp=sharing
- https://drive.google.com/a/csdecatur.net/file/d/0B4BDKk_Cf5vUejFZd2o5RENpVIE/view?usp=sharing

Kepler

- https://drive.google.com/a/csdecatur.net/file/d/0B4BDKk Cf5vUNG84SExIcG9FdDg/view?usp=sharing
- $\bullet \ \ \, \underline{https://docs.google.com/a/csdecatur.net/document/d/18d-dVoefziaSSecXxq3k-1ENdKoD-lhYDScuRzCshWY/edit?us} \\ \underline{p=sharing}$

Aristerchus

• https://drive.google.com/a/csdecatur.net/file/d/0B4BDKk_Cf5vUSENESmhxaDcwa0U/view?usp=sharing

Female Astronomers

- https://armaghplanet.com/3-female-astronomers-who-struggled-for-the-stars.html
- $\bullet \quad \underline{https://www.mnn.com/leaderboard/stories/10-female-astronomers-everyone-should-know}$

Minority Astronomers

• http://www.math.buffalo.edu/mad/physics/astronomy-peeps.html

ATTACHED DOCUMENTS Handout

MEET THE EARLY ASTRONOMERS

And their views of the sky

<u>TASK</u>: At the end of today's learning you will use your notes below to either create a timeline, draw a double bubble map, create a poster, or explain your own view of the universe to show your understanding of the learning target

• I can <u>explain</u> how the view of Earth's position in the solar system has changed over time and that scientific theories change with the addition of new information.

<u>Directions</u>: TAKE NOTES IN ALL OF THE BOXES BELOW. First read, watch or view the resources provided in the left column below. For each scientist take notes on place of birth, year, his/her view of solar system, why they had this view and other interesting facts. You will then use these notes to complete a choice assignment at the bottom of the page to show what you have learned.

| Text/Media to teach me: | I learned/Makes me think: |
|---|--|
| Ptolemy - | Place of birth:Birth Year: |
| Read this Ptolemy article from WorldBook. | He believed that the was the center of our solar system. Why did he believe this? |
| Read this Ptolemy article. | At least 2 other interesting facts: |

| Copernicus Read this Copernicus article from WorldBook. Read this Copernicus article. | Place of birth: Birth Year: He believed that the was the center of our solar system. Why did he believe this? At least 2 other interesting facts: |
|--|---|
| Galileo - 1. Watch BrainPop | Place of birth: Birth Year: He believed that the was the center of our solar system. Why did he believe this? At least 2 other interesting facts: |
| Kepler - Read this Kepler article from WorldBook. Read this Kepler Article | Place of birth: Birth Year: He believed that the was the center of our solar system. Why did he believe this? At least 2 other interesting facts: |
| Newton - Watch this Newton BrainPop. User name: decaturga Password: decatur Read this Newton article from WorldBook. | Place of birth:Birth Year: He believed that the was the center of our solar system. Why did he believe this? At least 2 other interesting facts: |
| Aristarchus - Read this Aristarchus article from WorldBook. | Place of birth: Birth Year: He believed that the was the center of our solar system. Why did he believe this? |

Early female astronomers

Look at this website to find out more about female astronomers who struggled for the stars

Extra: more female astronomers at this website

Name of female astronomer:

Place of birth:

Birth Year:

At least 2 other interesting facts:

<u>Choice Assignment</u>: Choose one of the four tasks below to show your understanding of the learning target. Hand your final product into the bin by the door.

| Mastery | Understanding | Interpersonal | Expressive |
|---|--|--|---|
| Learning Style | Learning Style | Learning Style | Learning Style |
| Create a timeline showing how the views of the universe have changed over time. For each point on the timeline, be sure to include Date Astronomer View of universe Why think this | Compare and contrast the two main views of the solar system by early astronomers either in a chart or a double bubble graphic organizer. Be sure to include Name of view Similarities Difference Who believed in it | What is your view of the solar system? Which of the views you researched do you agree with. Draw a picture (model) of it and include what evidence convinces you that you are right? | Create a poster for one of the famous Astronomers be sure to include Name Years alive View of the Universe Draw a model of their view of the Universe What makes this scientist famous 1 interesting facts |

RUBRIC for Task Rotation (Total 50 points)

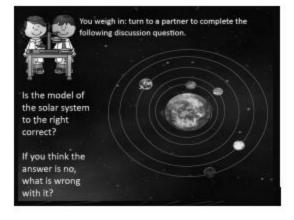
| Criteria Full Credit | Half Credit | Partial Credit | Grade: |
|----------------------|-------------|----------------|--------|
| 10 Points | 8 points | 6 points | |

| Content: Is the content of the product well chosen? | Content or model chosen represents the best choice for the product. Graphics are well chosen and related to content. | Information, model or graphics are related to content, but are not the best choice for the product | Information, model or graphics presented does not appear to be related to topic or tasks. | |
|---|--|---|---|--|
| Completeness: Is everything included in the product? | All information needed is included. Product meets the product criteria and the criteria of the task as stated. | Includes most important information. Product meets the product criteria and the criteria of the task as stated. | Includes less than 50% of the important information. The product does not meet the task, or does not meet the product | |
| Creativity: Is the product original? | Presentation and Graphics are original. Product includes an element of fun, interest, or creativity. | Presentation of information is from a new perspective. Graphics are not original. Product has elements of fun and interest. | There is no evidence of new thoughts or perspectives in the product. | |
| Correctness: Is all the information included correct? | All the information presented in the product is correct and accurate | N/A | Any portion of the information presented in the product is incorrect. | |
| Communication: Is the information in the product well communicated? | Everything is neat & easy to read. It is in appropriate format & shows significant effort. Presentations | Most of the product is neat and easy to read. Product is in appropriate format | The product is not neat and easy to read or the product is not the appropriate | |

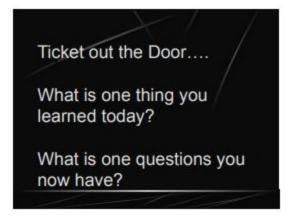
are easy to understand and presented with fluency. NO COPY AND PASTED INFO! and show significant effort. Oral presentations are easy to understand, with some fluency. format. It does not show significant effort. Oral presentation was not fluent or easy to understand.

Power point Part 1: https://drive.google.com/open?id=1muEoQqY5I klNwep5Eb-tsIjI7UG4XQm



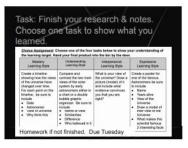


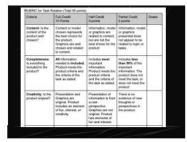


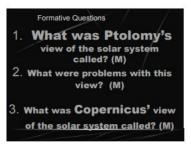


Webquest (research day)

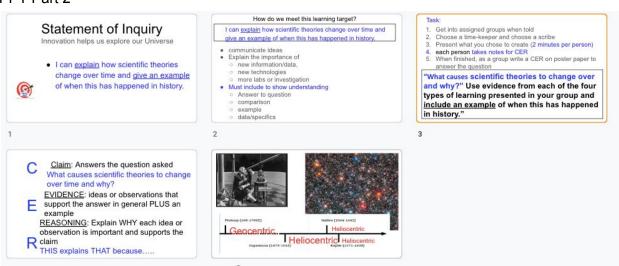








PPT Part 2



Analysis of implemented lesson-Kostka (Expa

(Expanded Ticket in the Door)

Formative Post Lesson Survey

| | Which learning style do you prefer? * |
|--|--|
| Which learning task did you choose? * | Learning with FACTS (Mastery) |
| ○ Timeline (Mastery Learner) | Learning Will TAOTS (Wastery) |
| | Learning with big ideas or connections (Understanding) |
| Compare and Contrast (Understanding Learner) | Learning by connecting to SELF (Interpersonal) |
| Oraw MY model (connecting to me-Interpersonal learner) | Ceaning by connecting to SEE (interpersonal) |
| Oraw a poster (Creative Learner) | Learning by doing something creative (Self-Expressive) |
| Diaw a poster (orealive Ecamer) | |
| Why did you chose this task? * | Which learning style do you like the least? * |
| Your answer | Learning with FACTS (Mastery) |
| | Learning with big ideas or connections (Understanding) |
| Would you choose this task again? * | Learning by connecting to SELF (Interpersonal) |
| ○ Yes | Learning by connecting to SELF (interpersonal) |
| ○ No | Learning by doing something creative (Self-Expressive) |
| | |
| Maybe | Why do you like that learning style the least? * |
| | Your answer |
| Why or why not? * | |