

Special Education

I have also started adding detailed lesson plans to my units. Please leave feedback on if this addition is helpful to you!!

I have included a voice recorded power point show that has automatic slide advancement. Please leave feedback if you find this helpful, and I will go back and add it to my other units.

Famous Scientists Lesson Plan

Preparation

- · Print out a vocabulary board for each student to use throughout unit
 - o Laminate or place in page protector
- Book
 - Print out, laminate, and bind
 - OR your students can listen to the pre-recorded version
- Vocabulary cards
 - Print out a set of cards onto cardstock and laminate
 - Make one set for each student and also one for the teacher to use it games
- Fact sheets
 - o Print out a set on card stock, one for each student
 - Laminate or place in cardstock for durability
 - Make an additional set to use for various activities that require a set

Preassessment (do day 1 before starting lesson)

- . Choose the form of the assessment that best fits the learning level of your :
- · Give the assessment to assess what your students may already know
- I cannot emphasize enough how important this step is. If you want to see growth, this preassessment is so important!!

Teaching Tips

- Color Coding: this is a really easy way to add more structure to a matchir activity. Outline or color in an empty box or sorting label. Outline or col the corresponding picture symbols the same colors. Becomes a color matc task.
 - For more info, read more here: https://specialneedsforspecialkids.org/2015/09/05/using-color-codin differentiation/
 - b. 1 also have a blog post on differentiating one activity 3 ways: https://specialneedsforspecialkids.org/2018/10/22/differentiating-1-a-3-ways-easily-and-effectively/



Quick Look

Activity

Day

1	Book Vocab cards activity Fact sheets	10	Book Vocab cards activity Fact sheets Matching activity 1	ľ
2	Book Vocab cards activity Fact sheets Circle map 1	11	Book Vocab cards activity Fact sheets Matching activity 2	(
3	Book Vocab cards activity Fact sheets Circle map 2	12	Book Vocab cards activity Fact sheets Writing prompt	
4	Book Vocab cards activity Fact sheets Circle map 3	13	Book Vocab cards activity Fact sheets Close worksheet 1	()
5	Book Vocab cards activity Fact sheets Circle map 4	14	Book Vocab cards activity Fact sheets Close worksheet 2	
6	Book Vocab cards activity Fact sheets Circle map 5	15	Book Vocab cards activity Fact sheets Close worksheet31	_
7	Book Vocab cards activity Fact sheets Sorting activity 1	16	Book Vocab cards activity Fact sheets Close worksheet 4	
8	Book Vocab cards activity Fact sheets Sorting activity 2	17	Book Vocab cards activity Fact sheets Close worksheet 5	
9	Book Vocab cards activity Fact sheets Sorting activity 3	18	Assessment	

Activity

Day 3				
Activity	Notes	Materials		
Read or listen to a recording of the book (15 minutes)	Read through the story, asking lots of questions Therefore it usually takes me a little longer to read each day. I can ask more questions as they get more familiar with the material. You don't want to ask so many questions you lose the flow of the story, but enough to make sure your students are truly engaged Continue to make connections between book and vocabulary board	Book Vocabulary board		
Vocabulary cards I Spy Game (10 minutes)	I play this game, or variations of it the first few days Determine how many cards your students can handle in front of them. This can vary, some students may be able to have all the cards, so may only be able to handle a field of 3-5	Vocabulary cards (student set and teacher set)		
Fact Sheets (5 minutes)	Students will review the fact that will go with the circle map you are doing next as well as the one done yesterday (you will be reviewed yesterday's circle map from yesterday prior to starting next one) Make connections To the book To the vocabulary board	Facts sheets		
Circle map #1 review (5 minutes)	Review the circle map completed yesterday	Circle map completed yesterday		
Circle map #2 (10 minutes)	Choose the one of the circle maps that matches the fact sheet you reviewed above Choose either the errorless version OR the one with wrong answers mixed in Make connections to the book and fact sheet as necessary	Circle map Scissors Glue		

- Galileo
- Newton
- Darwin
- Curie
- Einstein

From a very young age, Galileo was interested in figuring out how and why things moved the way they did.



76 page book

One of his most famous experiments was dropping 2 objects from the top of the Leaning Tower of Pisa.



It was when an apple fell on his head that Newton had the first idea there was a force that was pulling things down to the Earth's surface.



Charles Darwin grew up in England and spent many years traveling around the Eastern hemisphere on a ship called the H.M.S Beagle.



She used what she had learned to make portable x-ray machines that would travel from battle sight to battle sight, x-raying and helping wounded soldiers.



Along with a partner, Einstein, developed the technology to build the first refrigerator. It changed forever how people gathered, stored, and prepared their food.







scientific method









Scientific method

6 step method of investigating the answer to a question.



scientist

Person who looks to answer a question about something they can observe using a specific method.













Galileo Galilei

His research and improvement on the telescope helped prove the sun, not the



Tool used with special lenses to see into outer space.















Vocabulary board







E= mc²







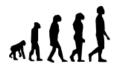
adapt

To change in a way so you are more likely to live longer.



evolution

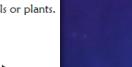
The belief that we all come from a common ancestor and have changed over time.



species

A type or family of animals or plants.





20 vocab cards

ancestor

Someone you are related to who is older than you are.



He changed how we thought about energy and his research was used to develop the atomic bomb.

Probably the most of all time who tau how things mo

To change in a way so you are more likely to live longer.

Nuclear weapo World



Isaac Newton









gravity



Charles Darwin





Newton

3 sorting activities



Galileo



Einstein

5 Circle maps



































































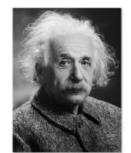








5 Fact Sheets



Albert Einstein 1879-1955

- \blacksquare He came to the US to escape the Nazis in Germany.
- He came up with the Theory of Relativity.
- lacksquare His research was used to create the atomic bomb.
- lacksquare He discovered light was made of particles.
- $\ \square$ He helped invent the first refrigerator.

Draw a line to match









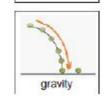






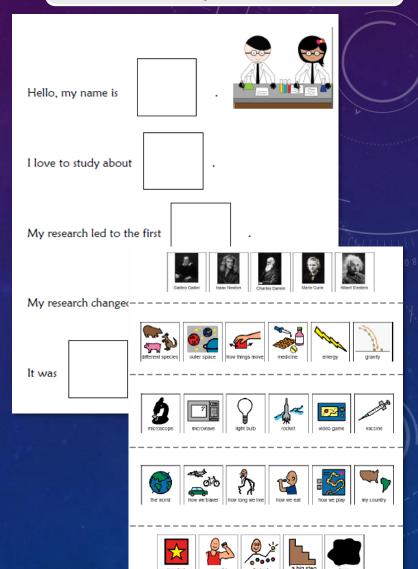






Matching

Writing Prompt



5 Close worksheets

Charles Darwin

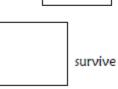


of plants and animals.

- 1. Darwin spent many years traveling on the HMS Beagle,
- а
- 2. Darwin studied many different



3. Darwin believed we all come from a common



Darwin was able to show that only the through a process of natural selection.



5. Darwin developed the Theory of

Darwin











Assessments

Q 7

1. He is considered the most important scientists of all time:







2. Galileo, Newton and Einstein all studied how things:







Both Marie Curie and Einstein won this for their work in physics.







4. Newton became interested in studying this when an apple fell on his head.







5. Galileo worked on improving the telescope and was a prove this was the center of our solar system.













video camera







- 7. Marie Curie worked in World War 1 using a portable:
 - A. Video camera
 - B. Radio
 - C. X-ray
- 8. This invention by Einstein changed how people stored their food forever.
 - A. Refrigerator
 - B. Microwave
 - C. Oven
- 9. Newton proved for every action there is an equal and:
 - A. Bounce
 - B. Opposite reaction
 - C. Hop
- True or False. These 5 scientists discovered many things that improved the lives of people long ago and today.
 - A. True
 - B. False
 - C. I don't know