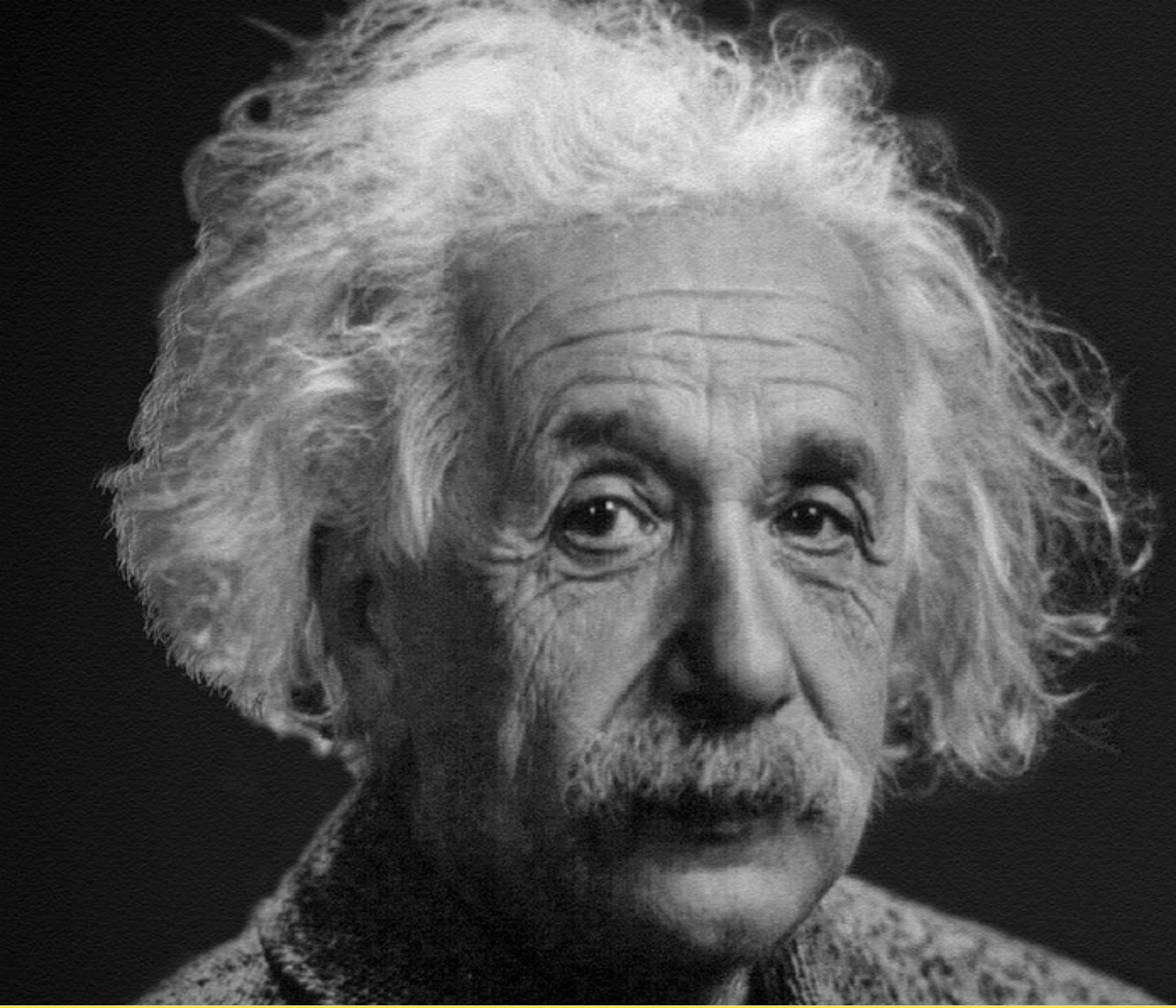


5 FAMOUS SCIENTISTS

INCLUDES GOOGLE SLIDES

Special Needs for Special Kids

For students who:

- are emerging or non-readers
- take alternate assessments
- are in special education
- short-attention span
- lack pre-requisite skills
- benefit from the use of pictures for support
- middle/high school

Color version

Famous Scientists Unit

By
Christa Joy
Special Needs for Special Kids

Table of Contents

Also included in this resource as separate files:

- Lesson plans
- Links and directions to digital activities
- PowerPoint (this is the book in the lesson plan)
- Voice recorded PowerPoint
- Activities in black and white

This unit contains 18 days of material. But, don't worry!! I have included a lesson plan to help you make the most of everything packed in this unit.

This unit comes in 2 separate files, one in color and one in black and white.

This resource comes in a zipped folder. You will need to unzip the folder to access all the contents which include:

- 18 days of lesson plans
- Activities in color
- Activities in black and white
- Voice-recorded PowerPoint show
- Famous Scientists book (PowerPoint) to use with activities
- Links and directions to digital activities

Day 2

Activity	Notes	Materials
Read or listen to a recording of the book (15 minutes)	• Read through the story, asking lots of questions • 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
	• Since this is the first time playing this game, I make it easy. Hold up a card, and have students find the matching one and hold it up
	• Discuss relevant points on the card
	  ○ You can also play this game in this manner having them find the symbol on their vocabulary board
		• 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
	• Make connections
	  ○ To the book
	  ○ To the vocabulary board
		• Facts sheets

Circle map #1 (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

Sharing (10 minutes)	• Each student shares their finished circle map using the communication method of their choice
	• This repetition is so important. Students are hearing the relevant vocabulary when:
	  ○ Read the story
	  ○ Review the vocabulary cards and board
		• Completed circle map
		• Communication devices

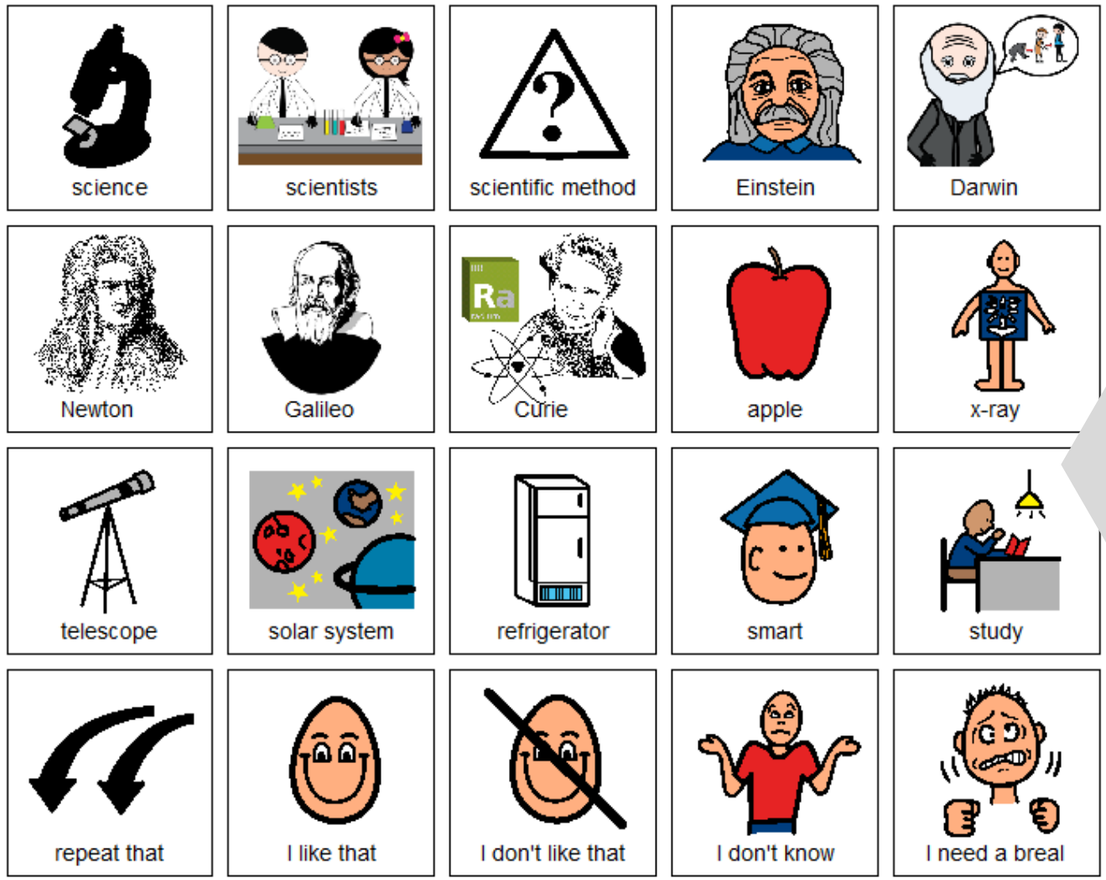
There is a detailed lesson plan with:

- suggestions
- overview
- daily step-by-step guide

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

This unit contains a 76 page book with simple text on the 5 famous scientists.

It comes in a PowerPoint version as well as a voice-recorded PowerPoint (so you don't have to print it out.) There is also a movie version you can use in google slides.



This unit comes with a vocabulary board.

Vocabulary boards are great for ALL students to assist with participation and engagement in group discussions.

Tips on how to use in the unit!!

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 Earth, was the center of the universe.

telescope

Tool used with special lenses to see into outer space.

Isaac Newton

Probably the most important scientist of all time who taught us a lot about how things move and gravity.

gravity

Force that pulls objects towards the Earth's surface.

force

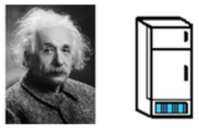
Energy that makes something move.

Charles Darwin

His research showed how animals and plants change over time, keeping those traits that made theme stronger.

Nobel Prize

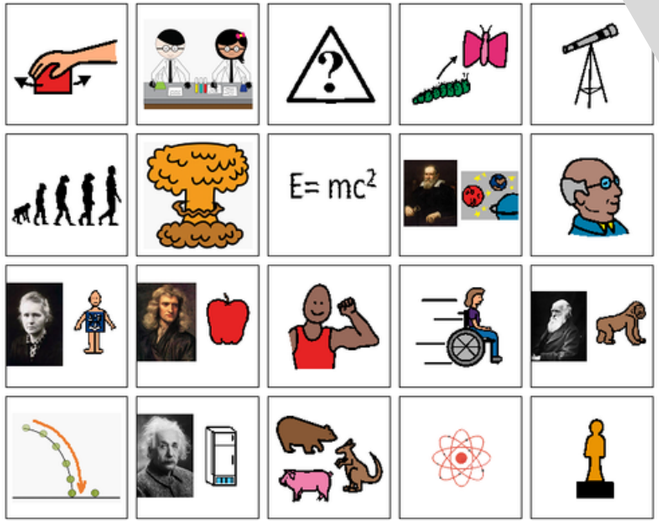
Albert Einstein



Theory of Relativity

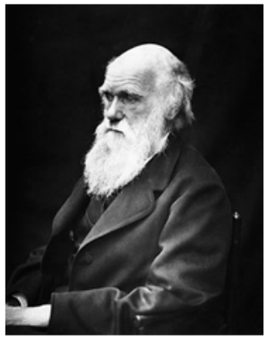
Atomic bomb

Cut apart and match pictures with definition.



This unit comes with 20 vocabulary cards.

Every day students will do a group activity using these cards to get more familiar with words that are likely new to them.

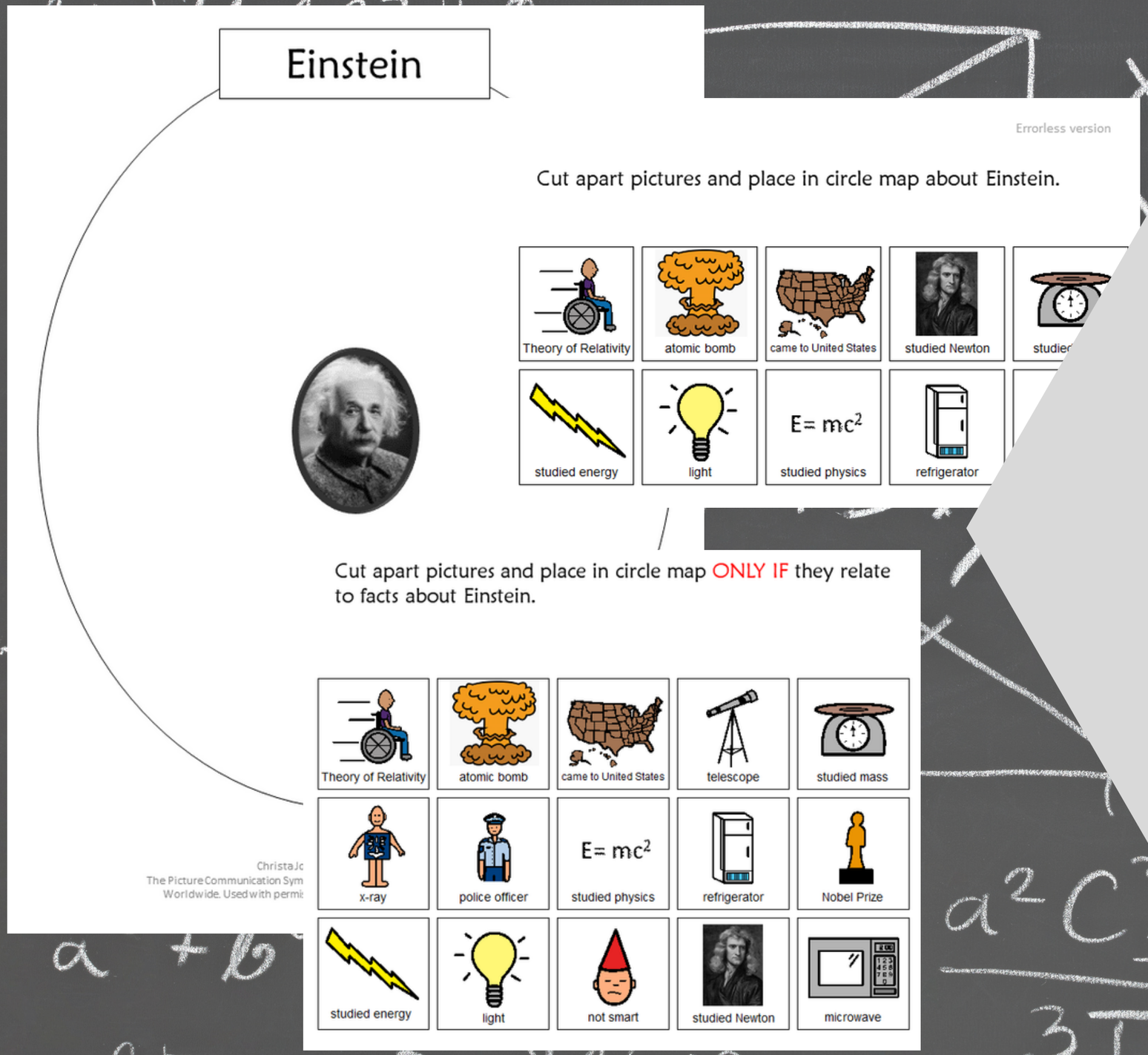


Charles Darwin
1809-1882

- He spent many years traveling on a ship, the HMS Beagle.
- He studied many different species and how they adapted.
- He came up with the theory of Evolution.
- He proved that all plants and animals came from a common ancestor.
- He was able to prove the theory of Natural Selection, only the strong survive.

There is a fact sheet for each scientist:

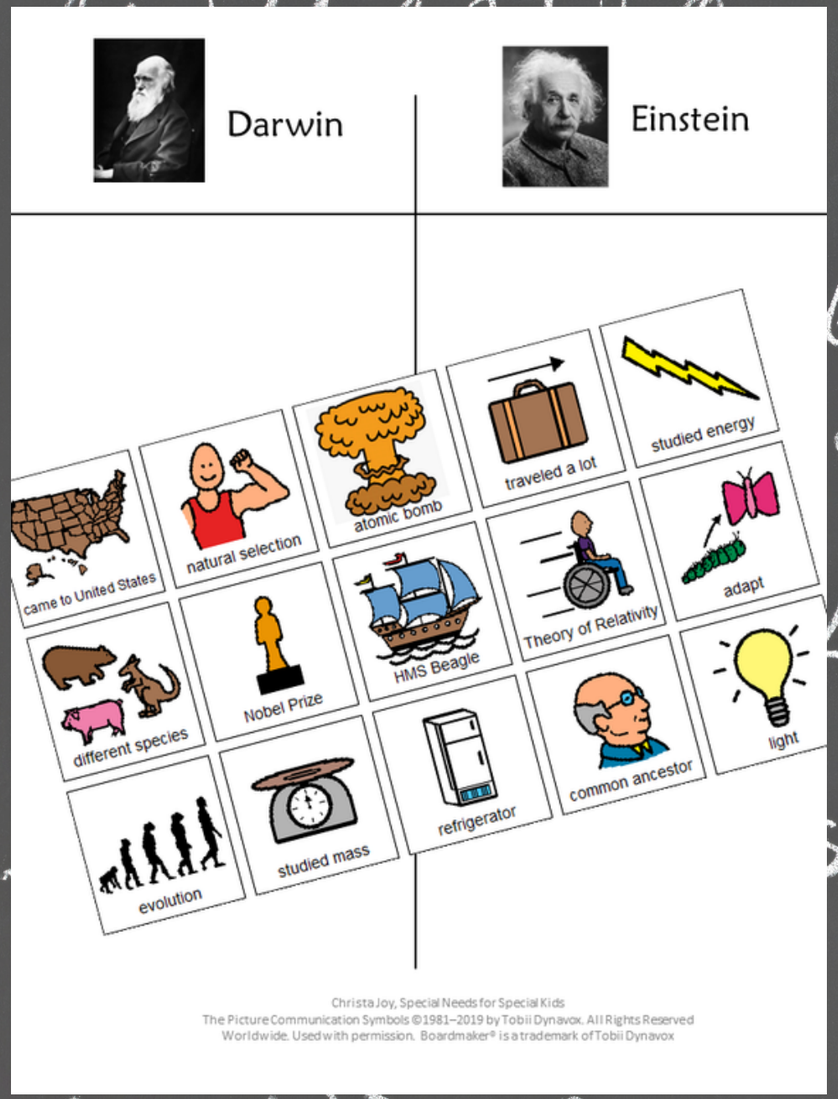
- Galileo
- Newton
- Darwin
- Curie
- Einstein



There is a circle map for each scientist.

This circle map is a great way for students to see a the concept at a glance. There are 2 versions:

- One is errorless
- One has wrong answers mixed in students will have to set aside

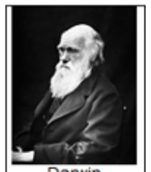


There are 3 sorting activities, comparing the different scientists.

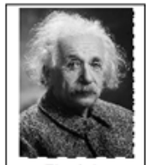
Draw a line to match


Galileo


Newton


Darwin


Curie

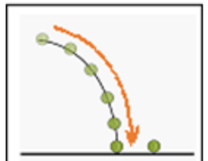

Einstein


evolution

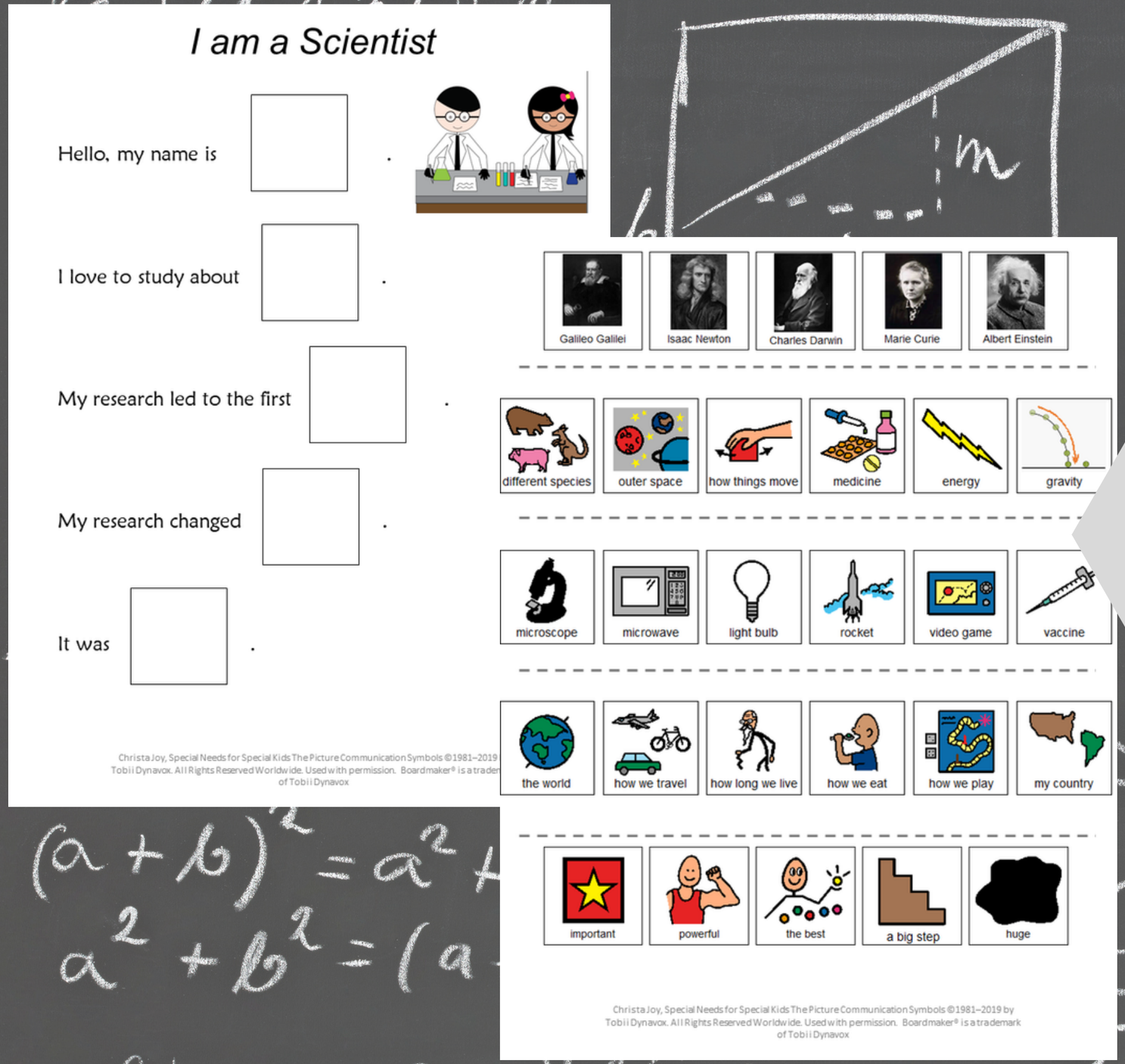

light


telescope


x-ray


gravity

There are 2 matching activities identifying one of the major contributions each scientist made.



There is a writing prompt students can complete as though they were one of these 5 scientists.

This is an errorless activity.

Marie Curie

1. Marie Curie was one of the few women to go to _____.
2. At first, Marie Curie became a _____.
3. Marie Curie studied radioactivity and discovered new elements. _____
4. Marie Curie created a portable _____ machine that was used in World War 1.
5. Marie Curie died from too much _____.

2	 x-ray	 college	 radiation	 doctor

Isaac Newton

1. Newton was born on a _____.
2. Newton was interested in how things _____.
3. Newton came up with _____ Laws of Motion.
4. Newton became interested in gravity when an _____ fell on his head.
5. Newton is considered the _____ scientist of all time.

3	 farm	 moved	 greatest	 apple

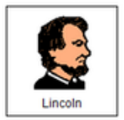
Close worksheets are a great informal assessment. There is one worksheet for each scientist.

Answer key included.

Version 1

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

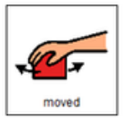

Newton

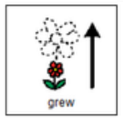

Lincoln


Tony Blair

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


changed


moved


grew

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

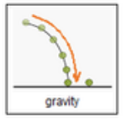

balloons


medal

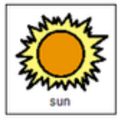

Nobel Prize

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


radioactivity


gravity

5. Galileo worked on improving the telesc
prove this was the center of our solar syste

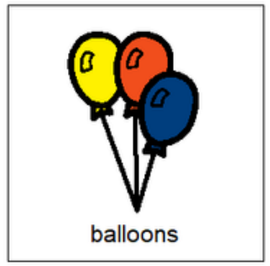

sun

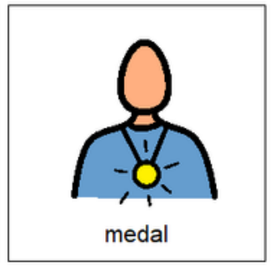

earth

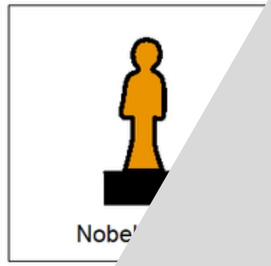
Version 2

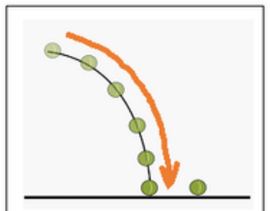
Print onto cardstock or mount on index cards. Cut pictures apart and show student answer choices for each question.

Q 3


balloons


medal


Nobe



gravity


sound

Version 3

1. He is considered the most important scientists of all time:
   A. Newton
   B. Lincoln
   C. Tony Blair
2. Galileo, Newton and Einstein all studied how things:
   A. Changed
   B. Moved
   C. Grew
3. Both Marie Curie and Einstein won this for their work in physics.
   A. Balloons
   B. Medal
   C. Nobel Prize
4. Newton became interested in studying this when an apple fell on his head.
   A. Radioactivity
   B. Gravity
   C. Sound
5. Galileo worked on improving the telescope and was able to prove this was the center of our solar system.
   A. Sun
   B. Earth
   C. Moon
6. The Theory of Evolution presented by Darwin, said we all came from a common:
   A. Plant
   B. Ancestor
   C. President

FINALLY the assessment!! There are 3 versions. This version has 10 questions with 3 picture choices for each question.

Answer key included.

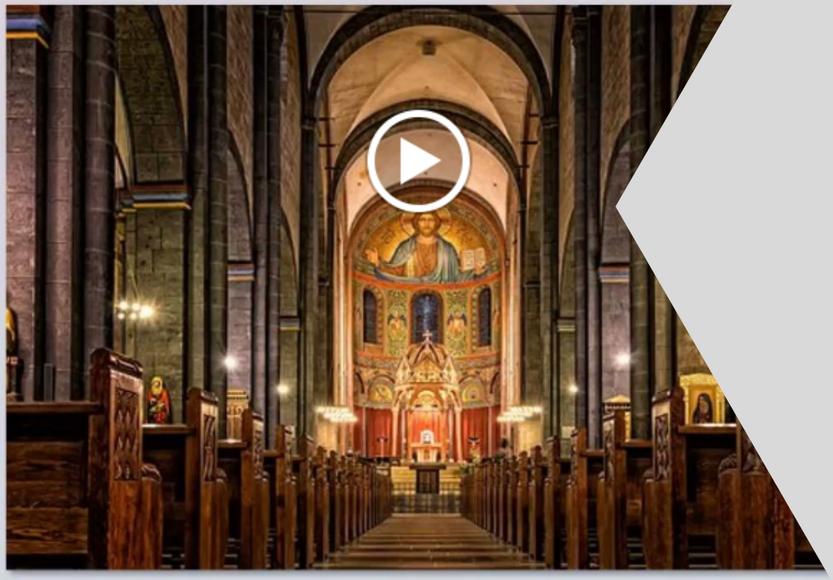
- This unit includes digital versions of the activities. These simply require the student to click and drag the answers. There is no drawing or typing involved.

- There are 2 complete sets of slides. One set is differentiated using color.

Make great independent learning centers.

Watch the movie on Famous Scientists

Both of Darwin's theories went against what the church taught. The church believed everything car from God and was the same now as in the beginn



Christa Joy, Special Needs for Special Kids

This unit also includes digital versions of the activities.

Students can watch a movie book version of the book rather than printing it out.

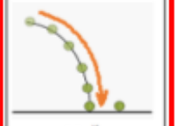
Use for more review.

Newton

Place the picture in the circle map about Isaac Newton.


farm

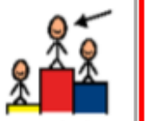

apple fell on head


gavity

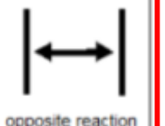

how things moved

3
Laws of Motion


how planets move


greatest


things

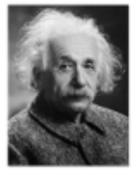

opposite reaction


effect of mass

Each activity is set up so students can click and drag answers. No typing is required.

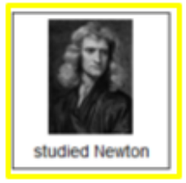
Perfect for any learning level.

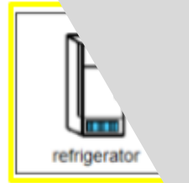
Galileo

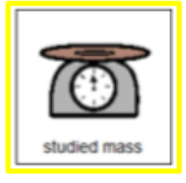


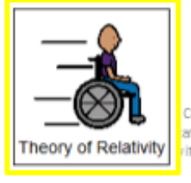
Einstein

Sort the pictures depending on which scientist it describes. If you are not sure, place it on the center line.









The second set of slides uses color for differentiation and extra support for students who may need it. Mix and match slides from both sets to make the perfect set for each student.