





Why you need this curriculum:

- If you teach multiple grade levels, you have all you need in one place.
- Having the same layout for each unit reduces students' anxiety and allows them to focus on the content.
- Aligned with extended learning standards.
- Saves you money
- Saves you time.

This bundle includes 9 different units that are typically part of a high school physics curriculum. It includes:

- 1. Electricity and Circuits (3 weeks)
- 2. Light Energy (3 weeks)
- 3. Electromagnetic Spectrum (2 weeks)
- 4. Motion Graphs (3 weeks)
- 5. Potential and Kinetic Energy (3 weeks)
- 6. Simple Machines (5 weeks)
- 7. Sound Energy (3 weeks)
- 8. Thermal Energy (3 weeks)
- 9. Types of Forces (3 weeks)

All units have printable AND digital versions

All the units contain similar activities so students become familiar with the format and can concentrate more on the content. Although there is some variation, each unit has:

- Detailed lesson plans
- A book PLUS a pre-recorded PowerPoint show and movie version
- Vocabulary cards
- Circle maps
- Sorting activities
- Labeling activities
- Experiments
- Close worksheets (fill in the blank)
- Assessments (3 versions)

All units have printable AND digital versions

Table of Contents

Pages	Activity		
4-5	Vocabulary board		
6-10	Vocabulary cards		
11-22	Vocabulary cut and paste		
23-30	Flash cards		
31-49	Circle maps		
50-61	Sorting Activities		
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65-81	Simple Machine Experiments		
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89-90	Word Search		
91-100	Cloze worksheets		
101-112	Assessment		
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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

Each unit has a table of contents. There is a separate file with directions and links to the digital activities.

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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) Vocabulary board		
Circle map review (5 minutes)	Review the circle map completed yesterday	 Circle map completed yesterday 		
Circle Map (10 minutes)	 Do the circle map on opaque objects Choose the best version (errorless or not) depending on the learning level of your students Students cut out symbols and place in circle map Make connections to the book as necessary 	Circle mapScissorsGlue		
Sharing (10 minutes)	Each student shares their finished circle map with the group using the communication method of their choice	 Completed activity Communication devices 		

Lesson plan

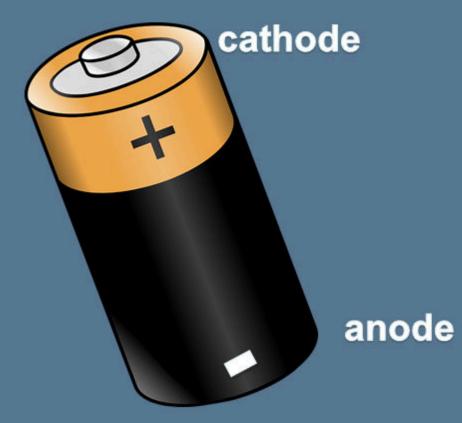
Every unit has a detailed lesson plan with:

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

Book



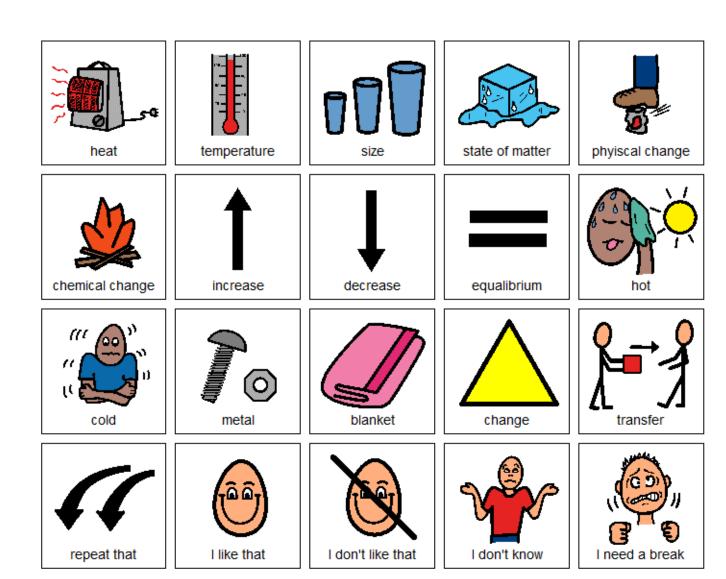
A battery has 2 terminals. A positive terminal called a cathode, and a negative terminal called an anode. You will see these are marked by a + and a – sign on a battery.



Every unit has a book with simple text and engaging photos. It comes in:

- PowerPoint
- recorded PPT show
- mp4 (movie) file





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Each unit has a vocabulary board to use while working through the unit. Suggestions for use are included.

sound

Form of energy that travels through a medium.



- -

Molecules moving very fast.

vibrate



longitudinal wave

A wave that moves through something, pushing the molecules in the same direction it is moving.



frequency

How many vibrations occur in one second.



pitch

piten



audible



ultrasounds



amplitude



intensity

How loud a sound is.



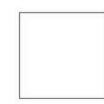
decibels

How the loudness of a sound is measured.

dB

sound

Form of energy that travels through a medium.



longitudinal wave

A wave that moves through something, pushing the molecules in the same direction it is moving.



vibrate

Molecules moving very fast.

frequency

How many vibrations occur in one second.



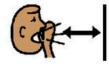
Vocabulary

Every unit has vocabulary cards.

There are suggestions for daily group activities to review these.

echo

Sound wave that is repeated because it is reflected back off a hard, smooth surface.



echolocation

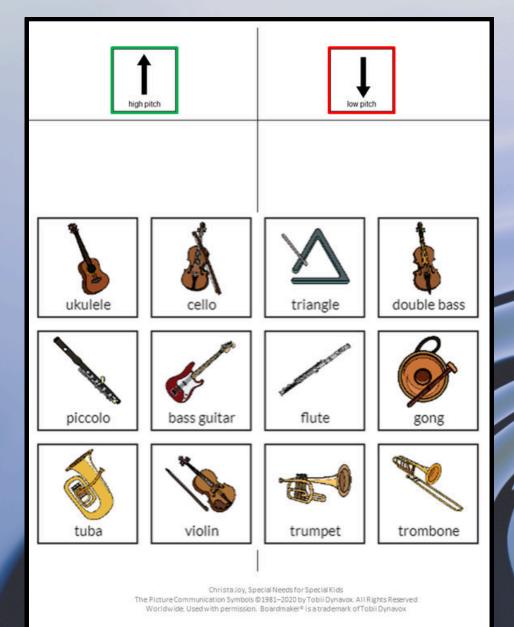
Bats send out ultrasounds that are reflected back and show the location of objects.



Errorless version Place the pictures in the circle map on previous page about motion graphs. constant speed 2 axes stationary accelerate trajectory motion graphs Place the pictures in the circle map on previous page ONLY IF you think it relates to motion graphs. 2 axes distance constant speed trajectory accelerate Christa Joy, Special Needs for Special K The Picture Communication Symbols @1981-2019 by Tobii Dyn stationary

circle maps

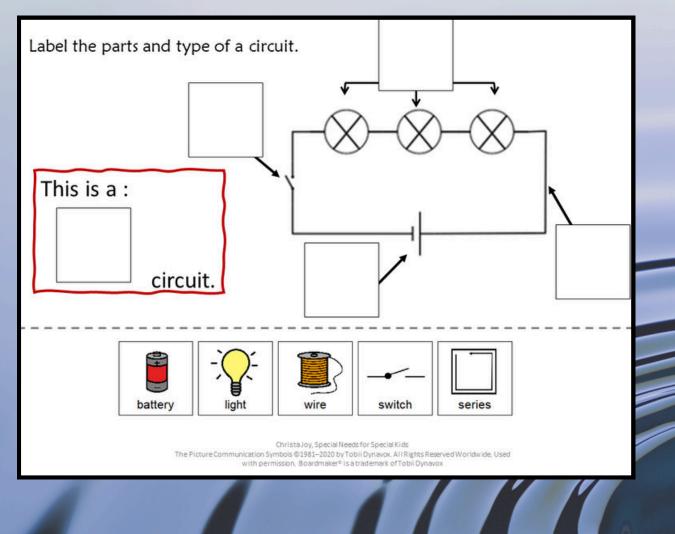
Each unit comes with 1 or more circle maps to visually review the main facts from the book. These come with an errorless option and an option with wrong answers mixed in.



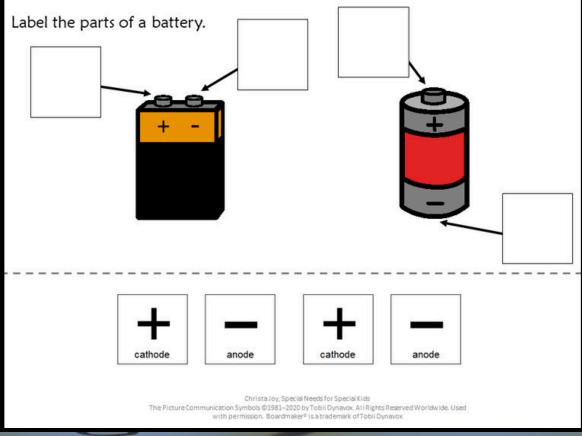
sorting



The unit on the periodic table has sorting activities. There are suggestions for how to differentiate these quickly included.

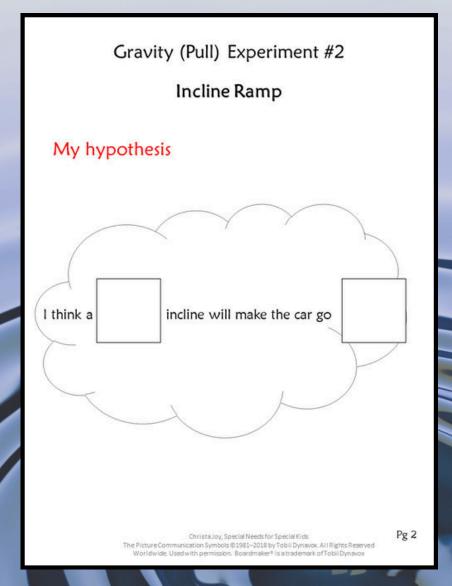


There are labeling and activities in both units. Suggestions for differentiation are included.



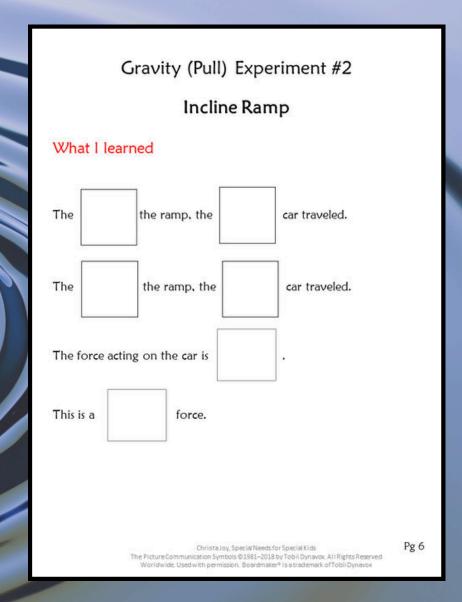
labeling

Gravity (Pull) Experiment #2 Incline Ramp People on my team: Materials needed: The Picture Communication Symbols @1981-2018 by Tobii Dynavox. All Rights Reserved



The experiments walk students through the scientific method with lots of visual supports.

experiments



Wheel and Axle



1. The axle is attached to the



of the wheel.

As the axel turns, it causes the wheel to balanced circle.



3. Gears are special wheels that have



4. Most forms of



use a wheel and axle.

5.

is an example of something that uses a wheel and axle.











Review sheets

Effects of Heat

1. Heat can an object.

2. When you apply heat to an object, it temperature.



3. Some objects heat up faster than others. Those that heat up faster

and easier are good



is an example of a good conductor.

5. When two objects touch each other, they transfer heat until they



temperature.











Each unit includes fill-inthe-blank worksheets to review concepts covered in the book and unit. Answer keys included.





1. A force is something that causes an object to:







One of Newton's laws states that an object in motion, will stay in:







3. All forces are measured in :







4. A pushing force causes an object to move:







5. A pulling force causes an object to move:







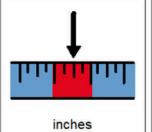
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Version 2

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

Q3

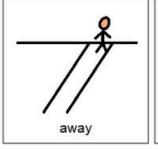


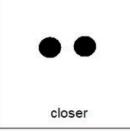




Q4







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Assessment

A force is something that causes an object to: A. Sit down B. Move C. Melt One of Newton's laws states that an object in motion, will

One of Newton's laws states that an object in motion, w stay in:

Version 3

- A. Motion
- B. At rest
- Swimming
- 3. All forces are measured in :
- A. Joules
- Inches
- C. Newtons
- 4. A pushing force causes an object to move:
- A. Sit down
- B. Away
- C. Closer
- 5. A pulling force causes an object to move:
 - A. Away
 - B. Over there
 - C. Closer

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Finally, each unit has an assessment that is available in 3 versions.

These are given 1:1 and read aloud to the student.



All of these units include digital versions of the activities. These simply require the student to click and drag the answers. There is no drawing or typing involved.

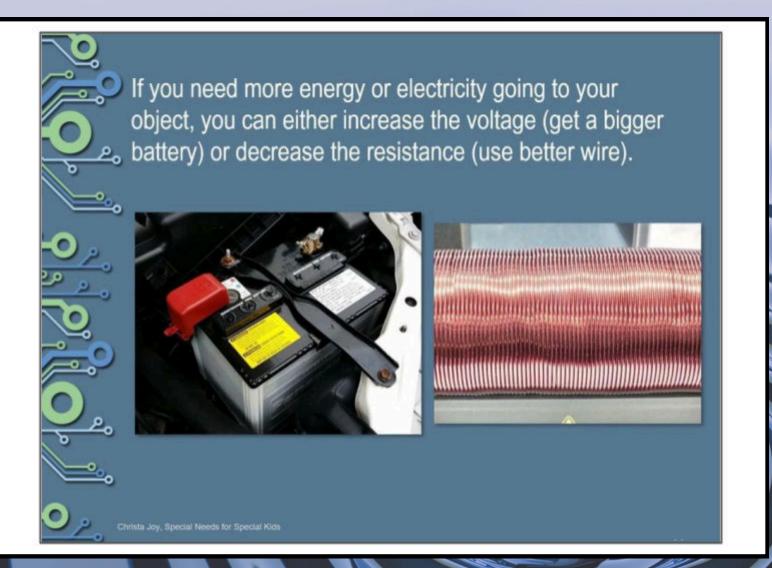
There is a movie version of the book.

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

Quickly combine slides from the 2 sets to create the perfect combination for each student.

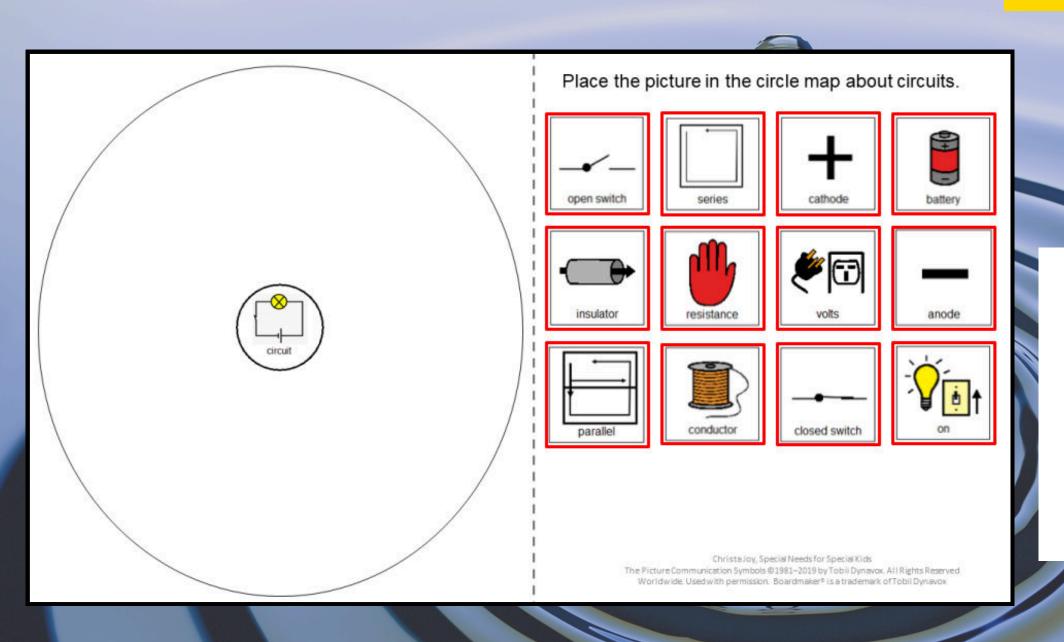
Make great independent learning centers.

Watch the movie on Electricity



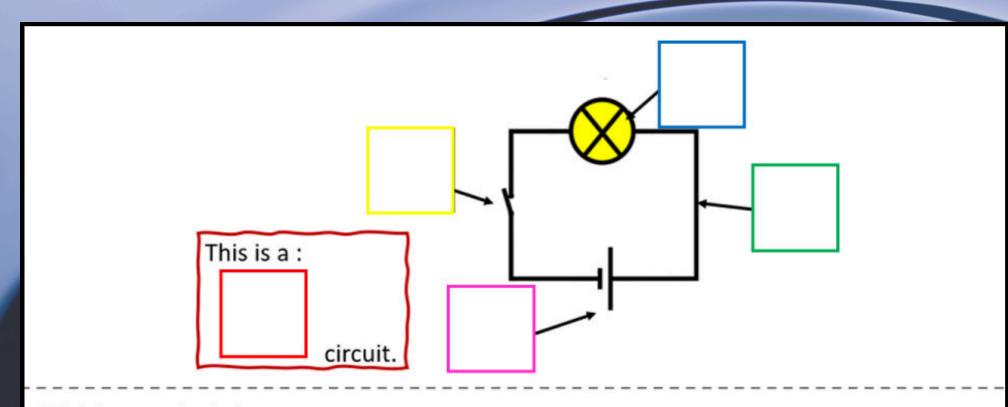
The movie version of the book from the unit.

Use for more review.



The digital activities are click and drag.

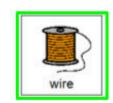
Perfect for any learning level.

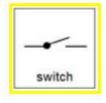


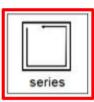
Label the parts of a circuit.











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Each unit comes with a set of slides that are differentiated with color.

Still have questions?

Reach out at specialneedsforspecialkids@gmail.com

I will answer your question personally and promptly.

