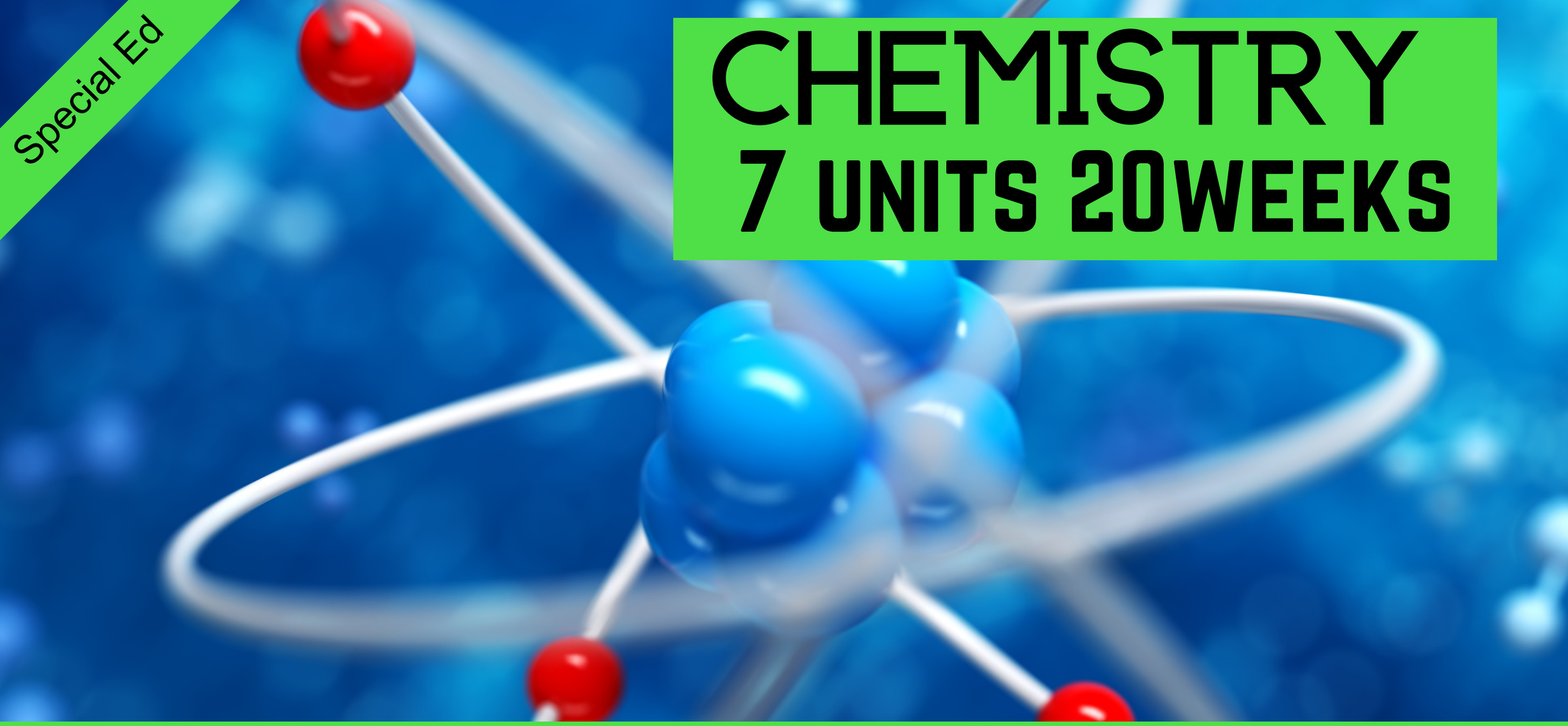


JOY 2 TEACH

ALSO INCLUDES GOOGLE SLIDES

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

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 7 different units that are typically part of a high school chemistry curriculum. It includes:

1. 12 Science Experiments (3 weeks)
2. Scientific Method (3 weeks)
3. Famous Scientists (4 weeks)
4. The Atom (1 week)
5. The Periodic Table (3 weeks)
6. Mixtures and Solutions (3 weeks)
7. Physical and Chemical Changes (3 weeks)

All units have printable AND digital versions

J2T

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

Also included in this resource as separate files:

- Lesson plans
- Links and directions to digital activities
- PowerPoint (this is the book in the lesson plans)
- 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.

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
	  o 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
	  o 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

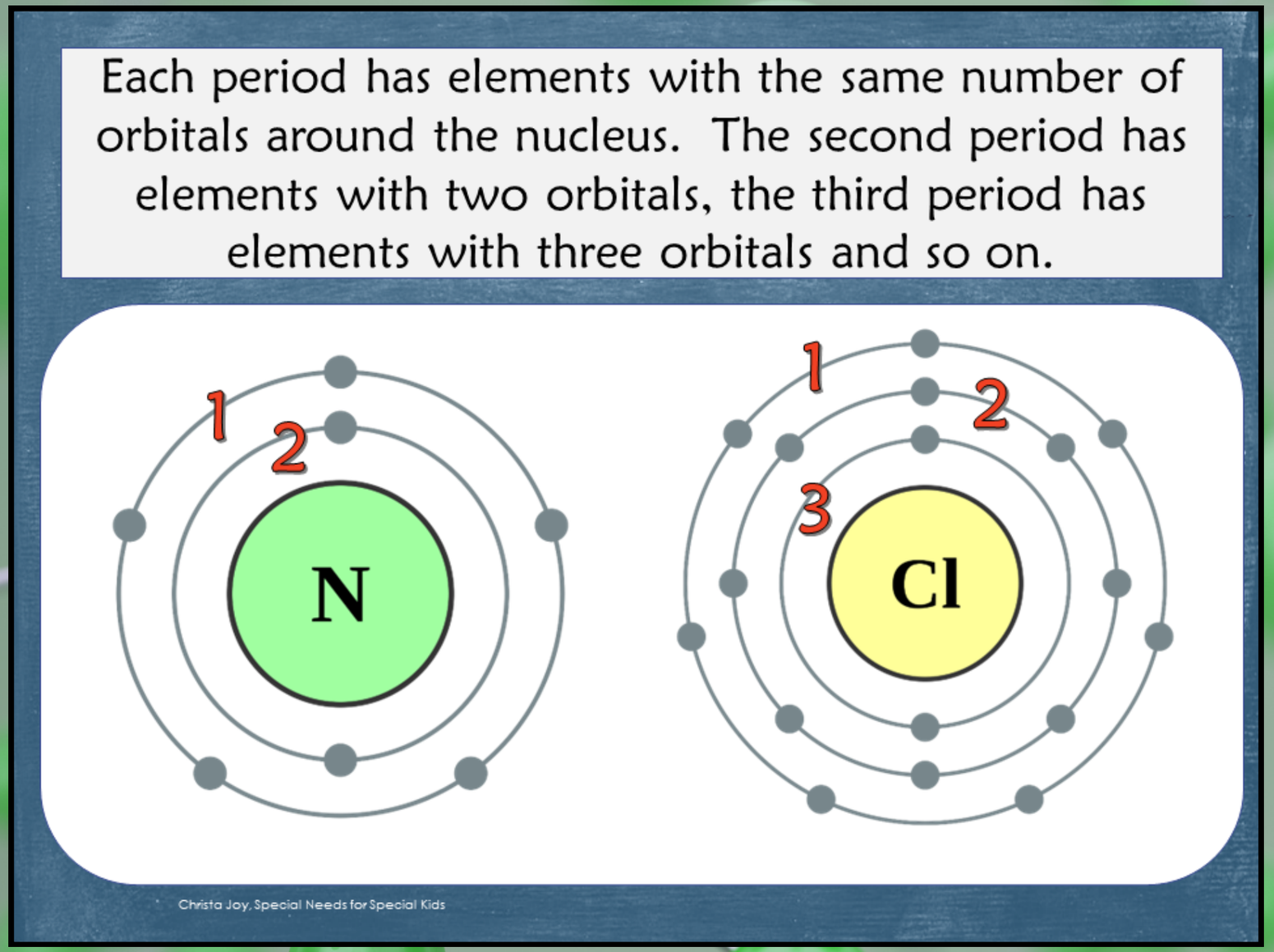
Circle map review (5 minutes)	• Review the circle map completed yesterday	• Circle map completed yesterday
Labeling activity (10 minutes)	• Do the labeling activity of the parts of the atom • Choose the best version either using words or picture symbols • You can also add color coding as needed	• Labeling activity • Scissors • Glue
Sharing (10 minutes)	• Each student shares their circle map with the group using the communication method of their choice	• Completed circle maps • Communication devices

Lesson plan

Every unit has a detailed lesson plan with:

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

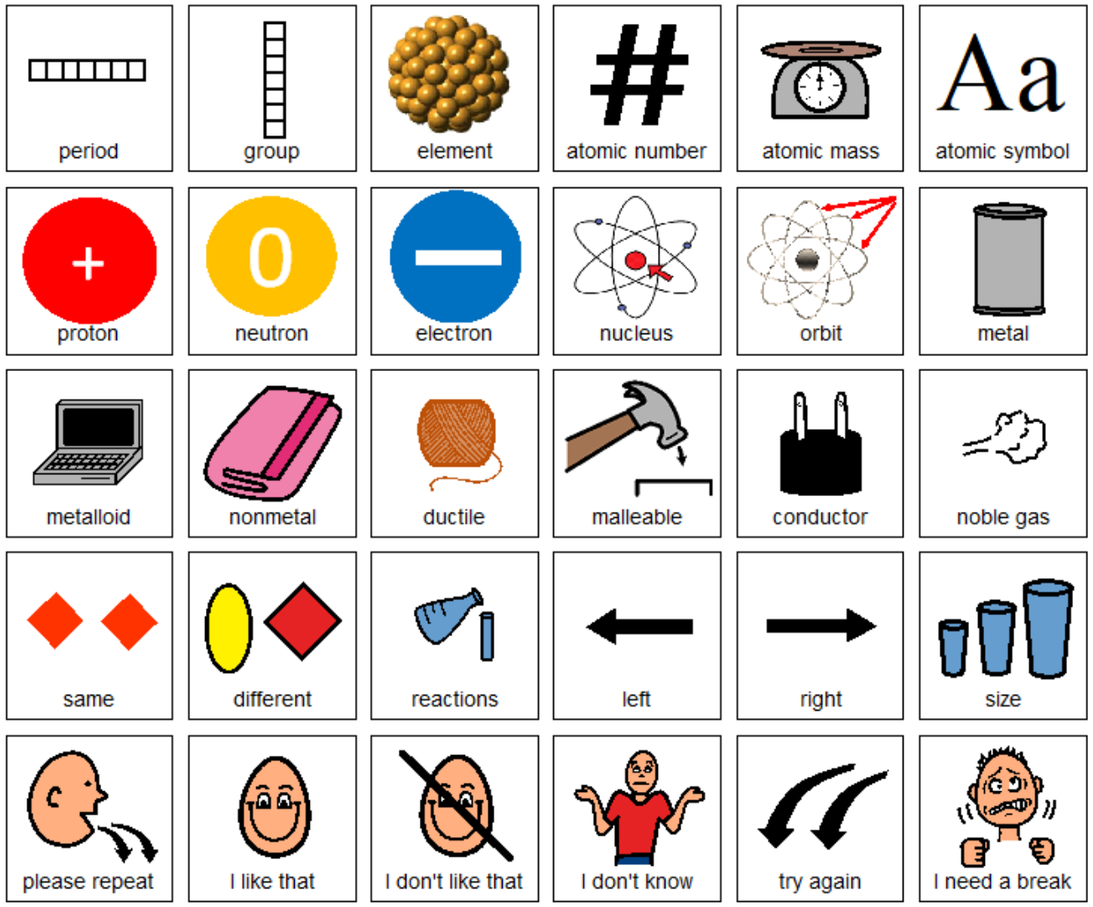
Book



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

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

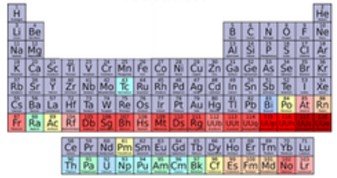
J2T



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

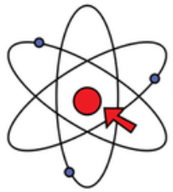
periodic table

Table that organizes all the elements according to their structure and features.



nucleus

Center of the atom that contains protons and neutrons.



electron

Negatively charged particle in an atom that orbits around the nucleus.

proton

Positively charged particle in the atom found in the nucleus.

neutron

Particle in the atom found in the nucleus that has no charge.

atomic mass

How much the atom weighs.

atomic number

Number of protons in the nucleus.

atomic symbol

Abbreviation found on periodic table that refers to the full name of the element.

neutron

Particle in the atom found in the nucleus that has no charge.

0

atomic mass

How much the atom weighs.

atomic number

Number of protons in the nucleus.

#

atomic symbol

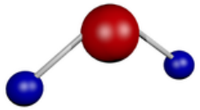
Abbreviation found on periodic table that refers to the full name of the element.

Aa

Robert Boyle

element

molecule



hydrogen

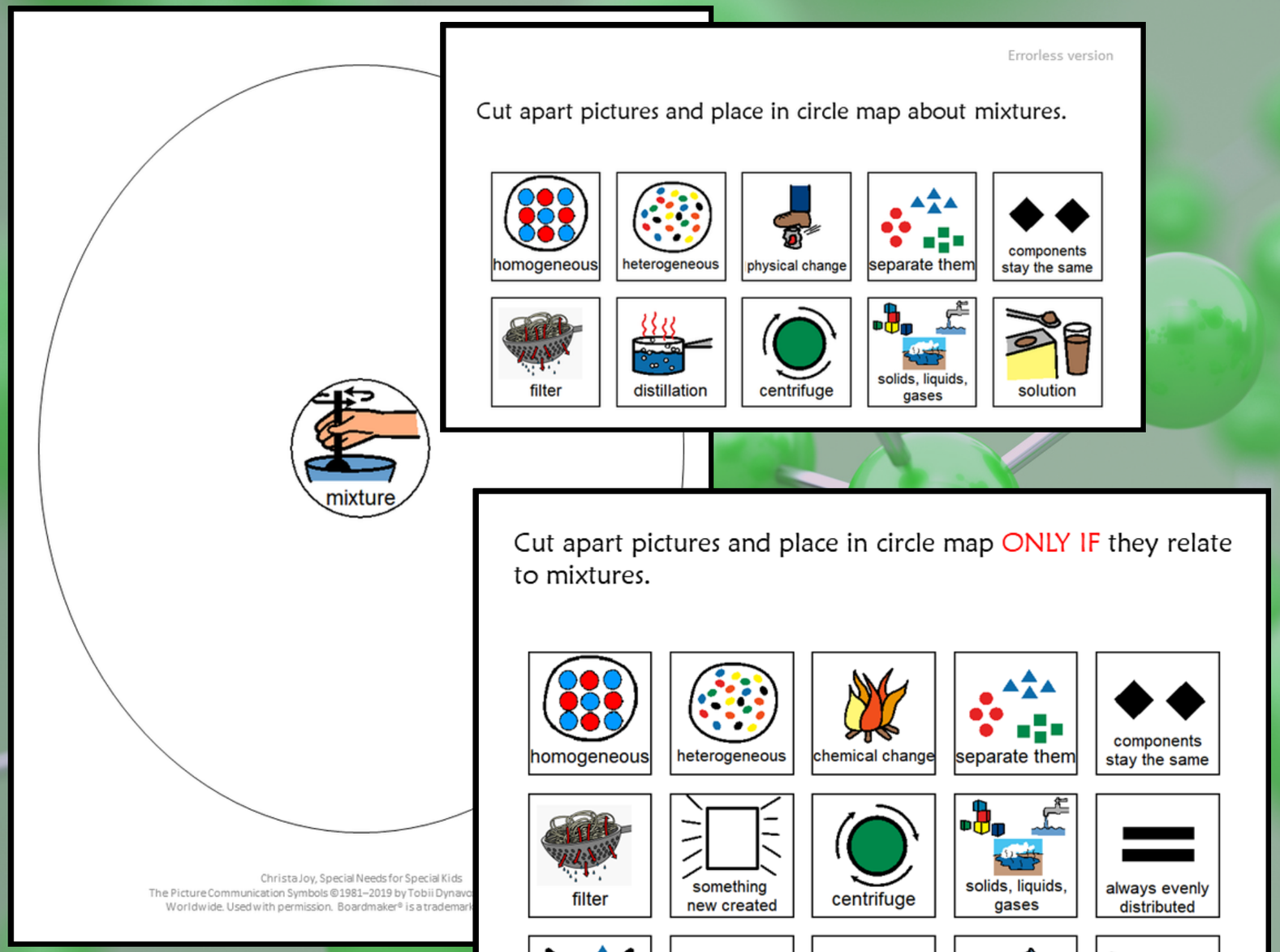
Vocabulary

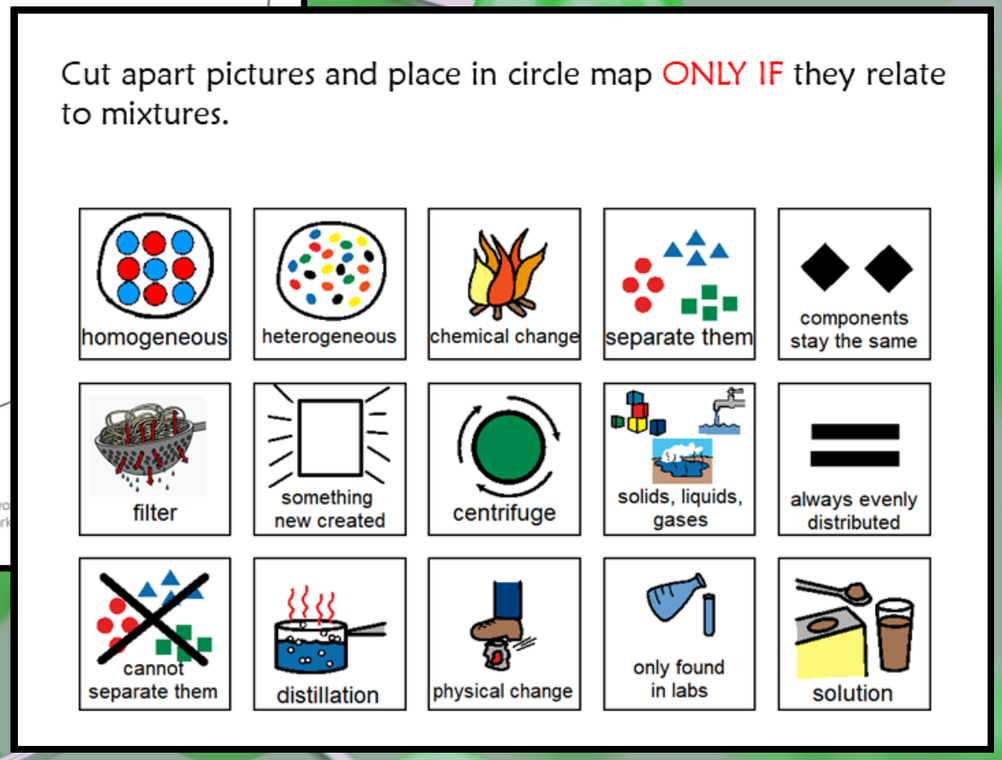
Every unit has vocabulary cards. There are suggestions for daily group activities to review these.

J2T

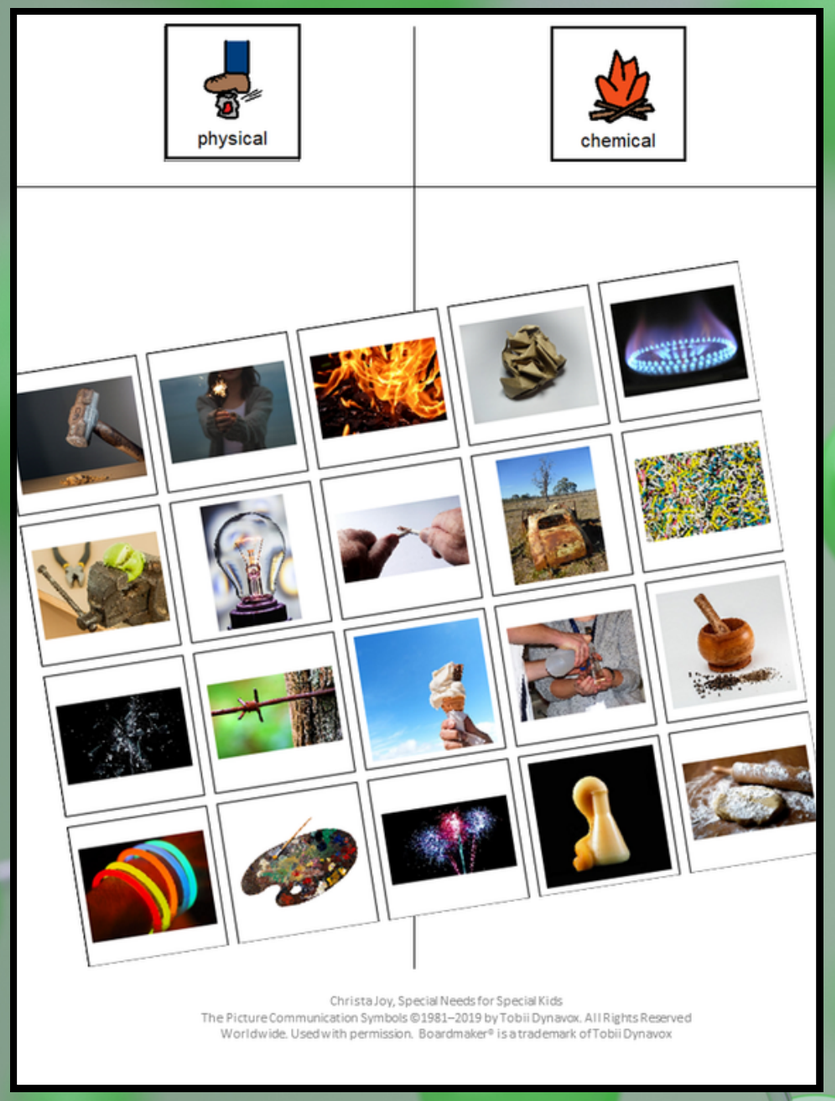
circle maps

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.

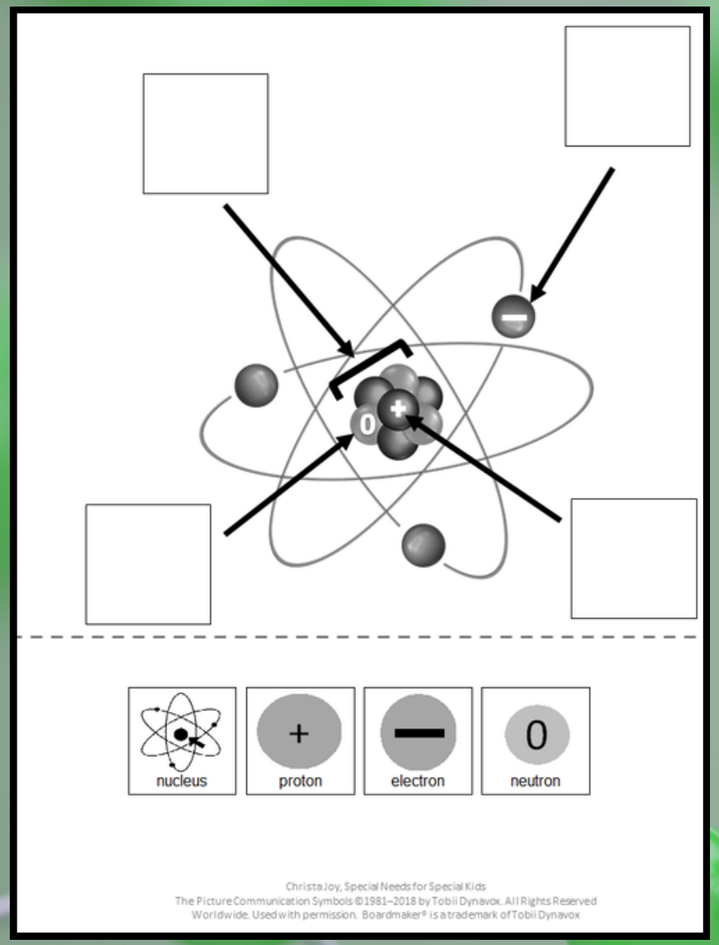


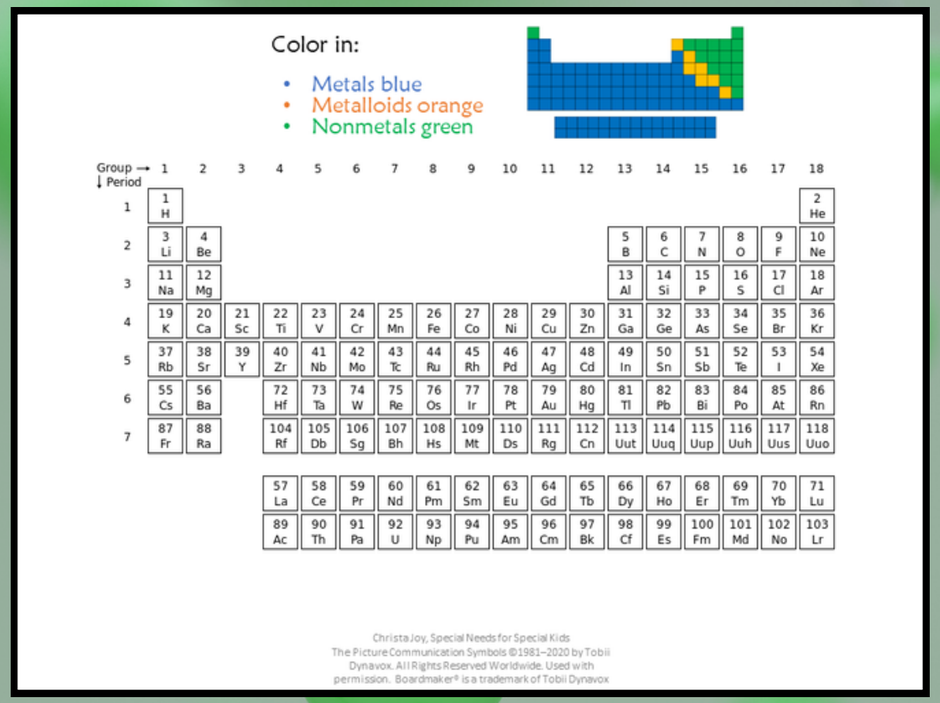


sorting



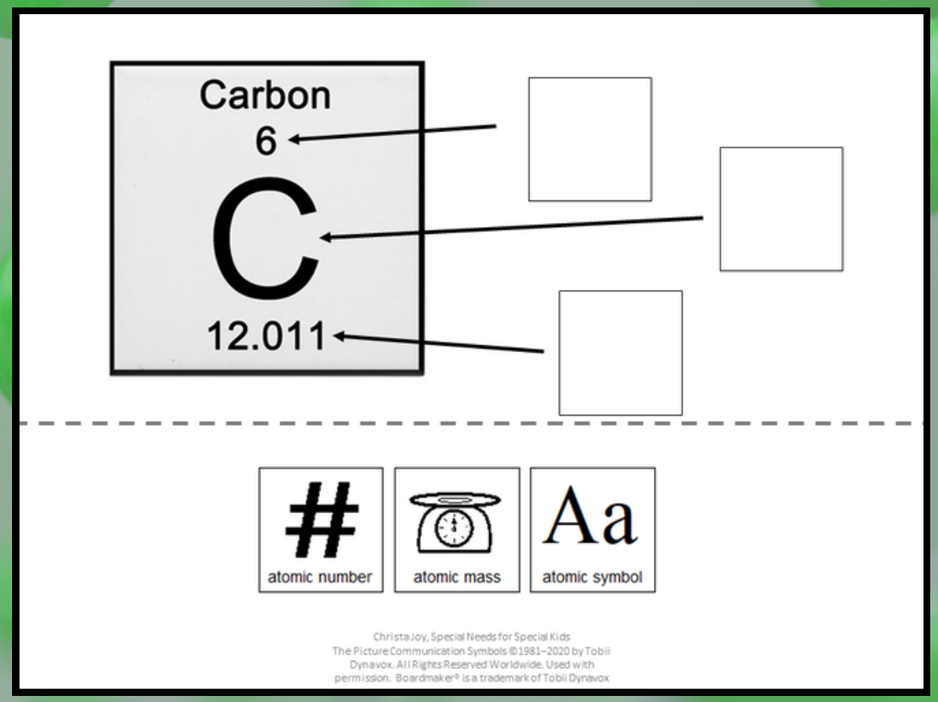
The unit on the periodic table has sorting activities. There are suggestions for how to differentiate these quickly included.





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

labeling



Physical or Chemical Change Experiment #1

Heat or No Heat

My hypothesis

I think the temperature of:

Mixture #1 will ☐

Mixture # 2 will ☐

↑ ↑ ↓ ↓ = stay same = stay same

Physical or Chemical Change Experiment #1

Heat or No Heat

Testing my hypothesis:

	Prediction of Temperature Change	Result of Temperature Change
Mixture #1		
Mixture #2		

↑ ↑ ↓ ↓ = stay same = stay same

↑ ↑ ↓ ↓ = stay same = stay same

experiments

Physical or Chemical Change Experiment #1

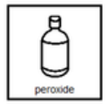
Heat or No Heat

People on my team: _____ _____ _____ _____

Materials needed:

☐ 

☐ 

☐ 

☐ 

☐ 2 

☐ 2 

☐ 2 

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

J2T

Review sheets

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

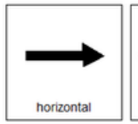
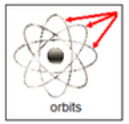
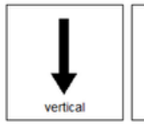
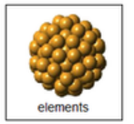
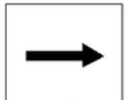
The Periodic Table

1. The periodic table organizes all the ____.
2. Periods are elements in the periodic table arranged ____.
3. Groups are elements in the periodic table arranged ____.
4. The atomic number tells you how many ____ are in the nucleus.
5. Each period has elements with the same number of ____.

The Periodic Table

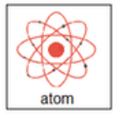
6. The atomic mass ____ as you go across the table from left to right.
7. ____ arranged all the elements into the periodic table.
8. Most of the metals are found on the ____ side of the table.
9. Most of the nonmetals are found on the ____ side of the table.
10. Metalloids are use in making ____.

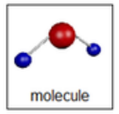
Use either pictures or words to complete the sentences on the previous page.

Page 1	 horizontal	 orbits	 protons	 vertical	 elements
Page 2	 Dmitri Mendeleev	 right	 computers	 left	 increases

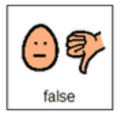
Version 1

1. What is the name of smallest unit of matter?

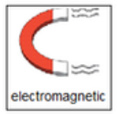


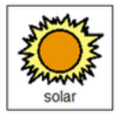


2. True or False. The nucleus contains electrons.

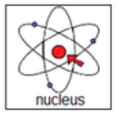


3. This force keeps an atom from flying apart:





4. The inside of the atom contains:

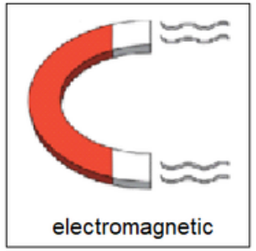


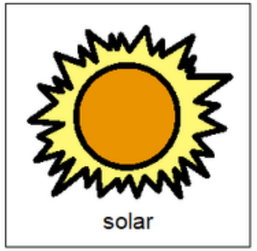
5. Particles in the atom that have a positive charge are:

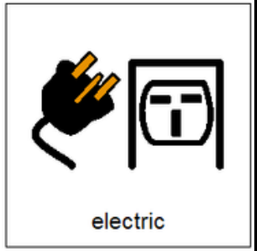
Version 2

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

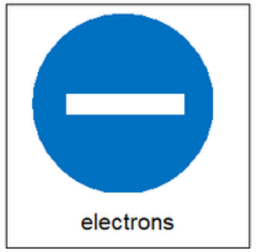
Q 3

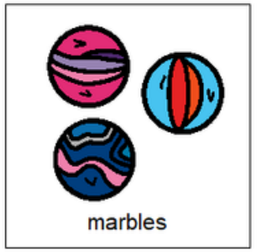


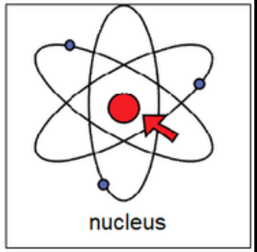




Q 4







Version 3

1. What is the name of smallest unit of matter?
   A. Atom
   B. Molecule
   C. Element
2. True or False. The nucleus contains electrons.
   A. True
   B. False
   C. I don't know
3. This force keeps an atom from flying apart:
   A. Electromagnetic
   B. Solar
   C. Electric
4. The inside of the atom contains:
   A. Electrons
   B. Marbles
   C. Nucleus
5. Particles in the atom that have a positive charge are:
   A. Electrons
   B. Protons
   C. Neutrons
6. 6. Neutrons have:
   A. Negative charge
   B. Positive charge
   C. No charge

Assessment

Finally, each unit has an assessment that is available in 3 versions. These are given 1:1 and read aloud to the student.

J2T

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 atoms.

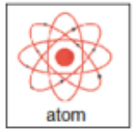
Atoms are the smallest and most basic unit of matter; too small to be seen even under the microscope.

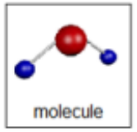
Christa Joy, Special Needs for Special Kids

The movie version of the book from the unit.

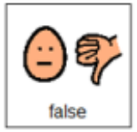
Use for more review.

1. What is the name of smallest unit of matter?

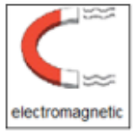


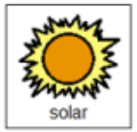


2. True or False. The nucleus contains electrons.

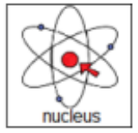


3. This force keeps an atom from flying apart:



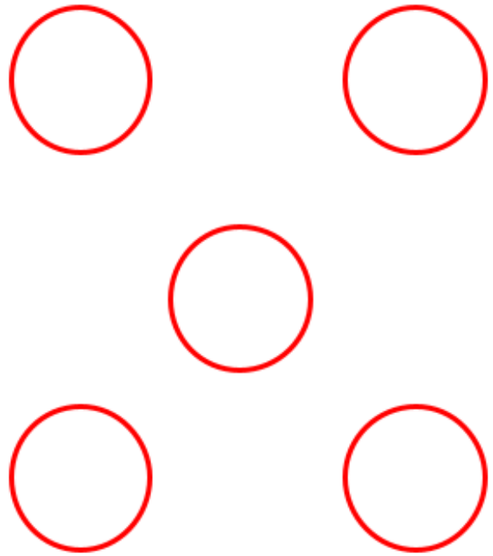


4. The inside of the atom contains:



5. Particles in the atom that have a positive charge are:

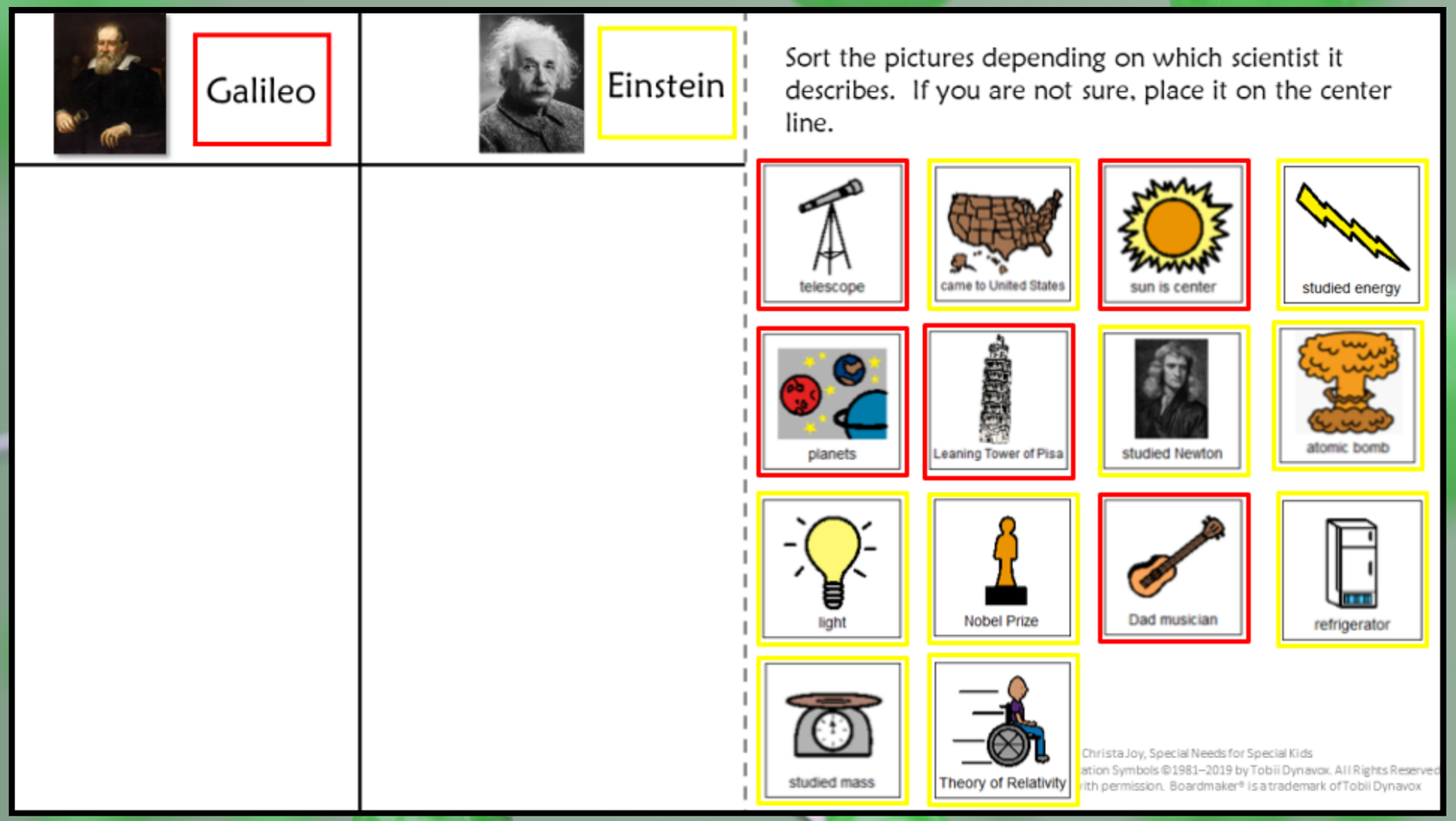
Place a circle on the correct answer.



The digital activities are click and drag.

J2T

Perfect for any learning level.



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.