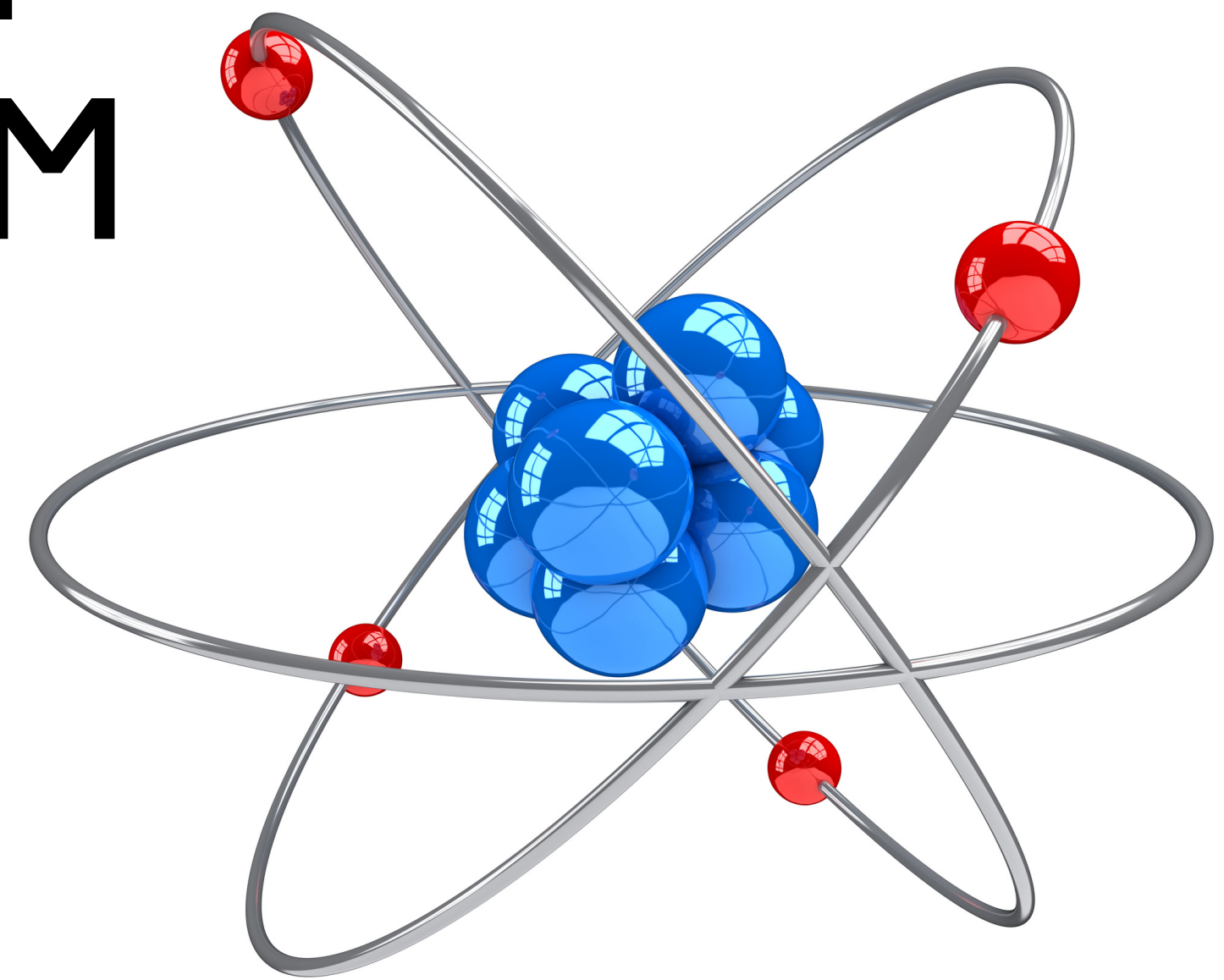
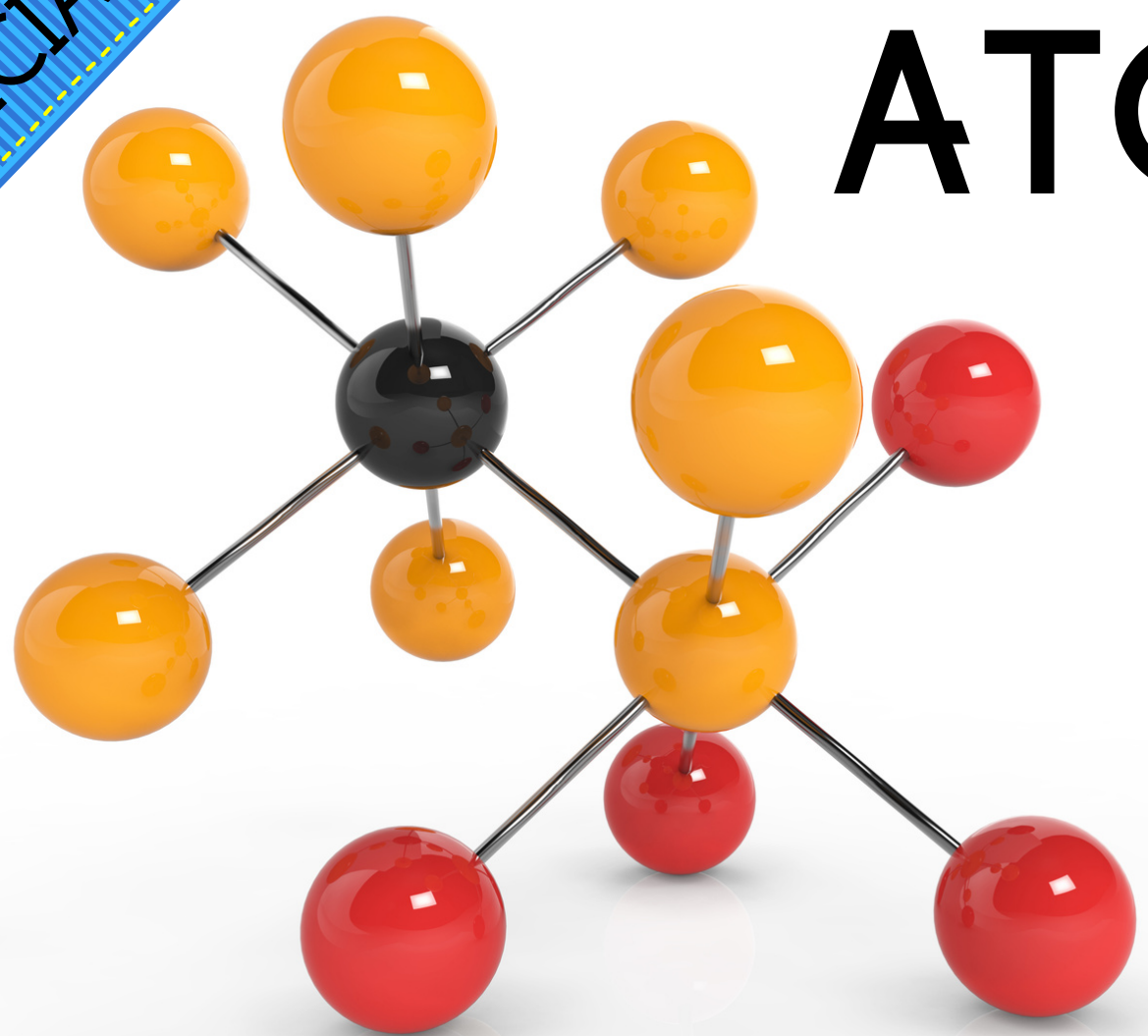


SPECIAL ED

THE ATOM



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

The Atom Unit for Special Education

By
Christa Joy
Special Needs for Special Kids

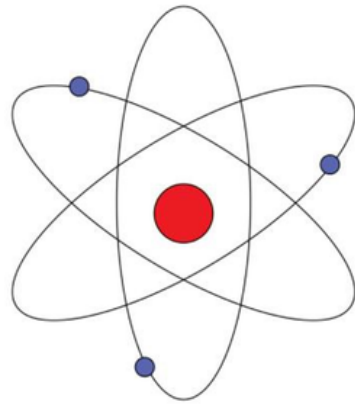


Table of Contents

Worksheet pages	Title
4-5	Vocabulary board
6-9	Vocabulary cards
10-18	Vocabulary cut and paste
19-22	Circle map
23-25	Labeling worksheets
26-28	Atom module
39-33	Cloze worksheets
34-46	Assessment (3 versions)
47-48	Terms of Use

Also included in this resource as separate files:

- Lesson plans
- Links and directions to digital activities
- PowerPoints (**these are the books in the lesson plan**)
- Voice recorded PowerPoint
- Activities in black and white

This unit contains over 100 pages of material. I have included a detailed lesson plan to help you make the most of everything in this unit including how to add some group activities.

There are 2 separate files, one in color and one in black and white.


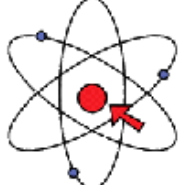








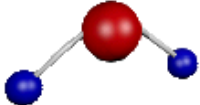
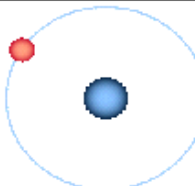








Day 2

Activity	Notes	Materials
Read or listen to a recording of the book (15 minutes)	<ul style="list-style-type: none">• Read through the story, asking lots of questions• Continue to make connections between book and vocabulary board	<ul style="list-style-type: none">• Book• Vocabulary board
Vocabulary cards I Spy Game (10 minutes)	<ul style="list-style-type: none">• I play this game, or variations of it the first few days<ul style="list-style-type: none">◦ 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<ul style="list-style-type: none">◦ You can also play this game in this manner having them find the symbol on their vocabulary board	<ul style="list-style-type: none">• Vocabulary cards (student set and teacher set)• Vocabulary board
Circle map review (5 minutes)	<ul style="list-style-type: none">• Review the circle map completed yesterday	<ul style="list-style-type: none">• Circle map completed yesterday
Labeling activity (10 minutes)	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• Labeling activity• Scissors• Glue
Sharing (10 minutes)	<ul style="list-style-type: none">• Each student shares their circle map with the group using the communication method of their choice	<ul style="list-style-type: none">• Completed circle maps• Communication devices

7 days

The lesson plans contain:

- Overall tips for teaching students with significant needs
- A quick look at what you will do each day
- Detailed instructions on how that day's lesson should run

 atom	 nucleus	 electron	 proton	 neutron
 Democritus	 Robert Boyle	 electromagnetic	 mass	 element
 molecule	 hydrogen	 same	 different	 inside
 outside	 I like that	 I don't like that	 I don't know	 I need a break

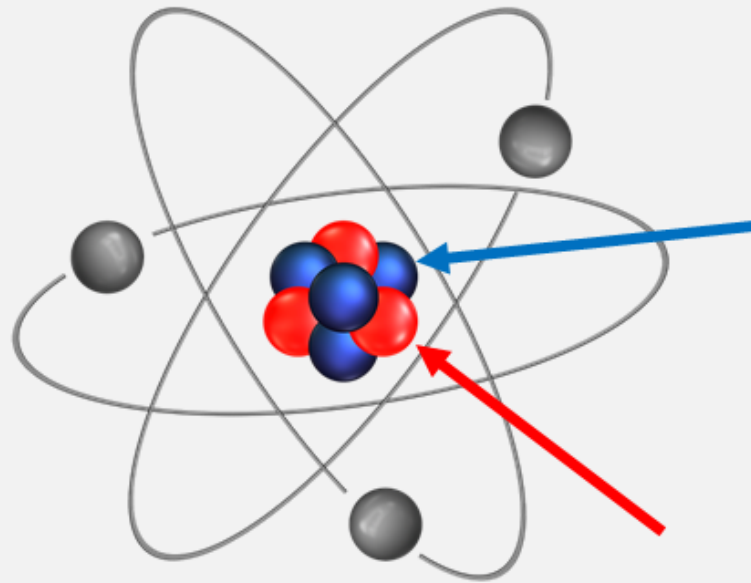
ChristaJoy, Special Needs for Special Kids
 The Picture Communication Symbols ©1981–2018 by Tobii Dynavox. All Rights Reserved
 Worldwide. Used with permission. Boardmaker® is a trademark of Tobii Dynavox

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!!

In the nucleus, you find the **protons** and **neutrons**.



There is a book with this unit using simple text and photos. It is 38 pages and is an overview of the parts of an atom.

It comes in a PowerPoint and an mp4/movie file (so you don't have to print it out.)

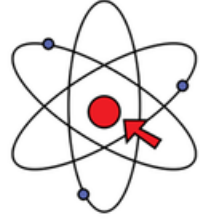
atom

Smallest, most basic unit that makes up matter.



nucleus

Center of the atom that contains protons and neutrons.



electron

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



proton

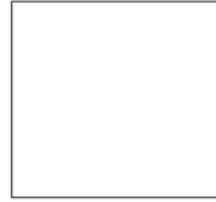
Positively charged particle in the atom found in the nucleus.



Christa Joy, Special Needs for Special Kids
The Picture Communication Symbols ©1981-2018 by Tobii Dynavox. All Rights Reserved
Worldwide. Used with permission. Boardmaker® is a trademark of Tobii Dynavox

atom

Smallest, most basic unit that makes up matter.



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.



Christa Joy, Special Needs for Special Kids
The Picture Communication Symbols ©1981-2018 by Tobii Dynavox. All Rights Reserved
Worldwide. Used with permission. Boardmaker® is a trademark of Tobii Dynavox

Vocabulary cards come in color and black and white.

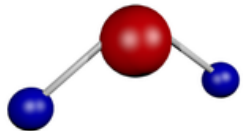
Robert Boyle



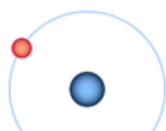
element



molecule

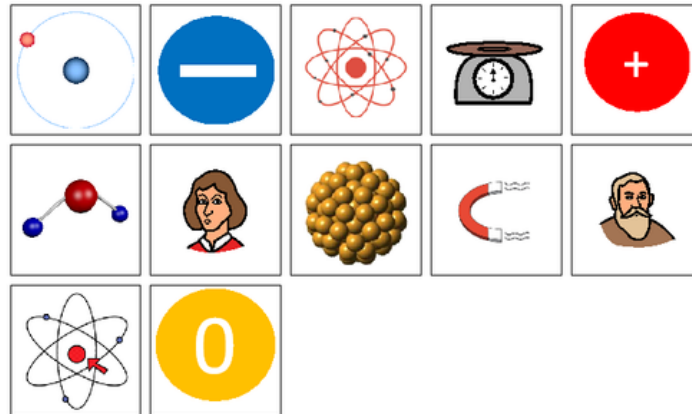


hydrogen



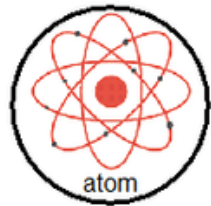
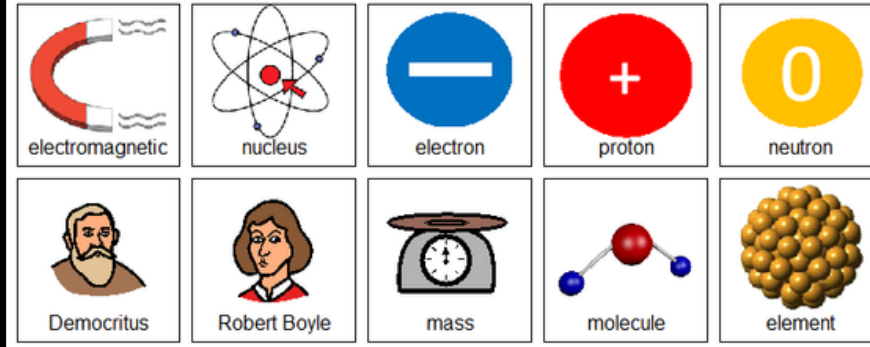
Christa Joy, Special Needs for Special Kids
The Picture Communication Symbols ©1981-2018 by Tobii Dynavox. All Rights Reserved
Worldwide. Used with permission. Boardmaker® is a trademark of Tobii Dynavox

Cut apart and match pictures with definition.

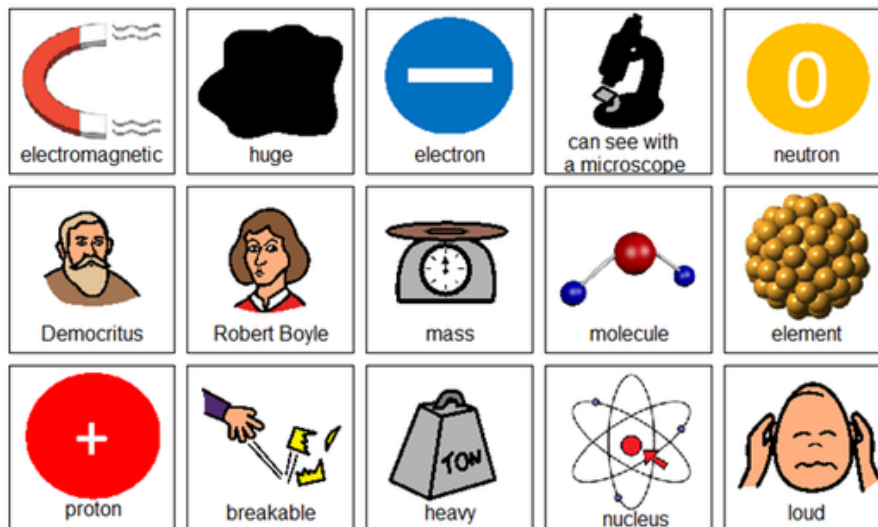


Suggestions for group activities to do with these each day are included.

Place the following in the circle map on previous page.



Place the following in the circle map on previous page
ONLY IF correct.



There is a circle map reviewing the parts of an atom.

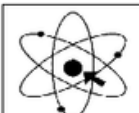



Circle maps are a great way for students to see the concept at a glance.

There are 2 versions:

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

electron	proton
neutron	nucleus

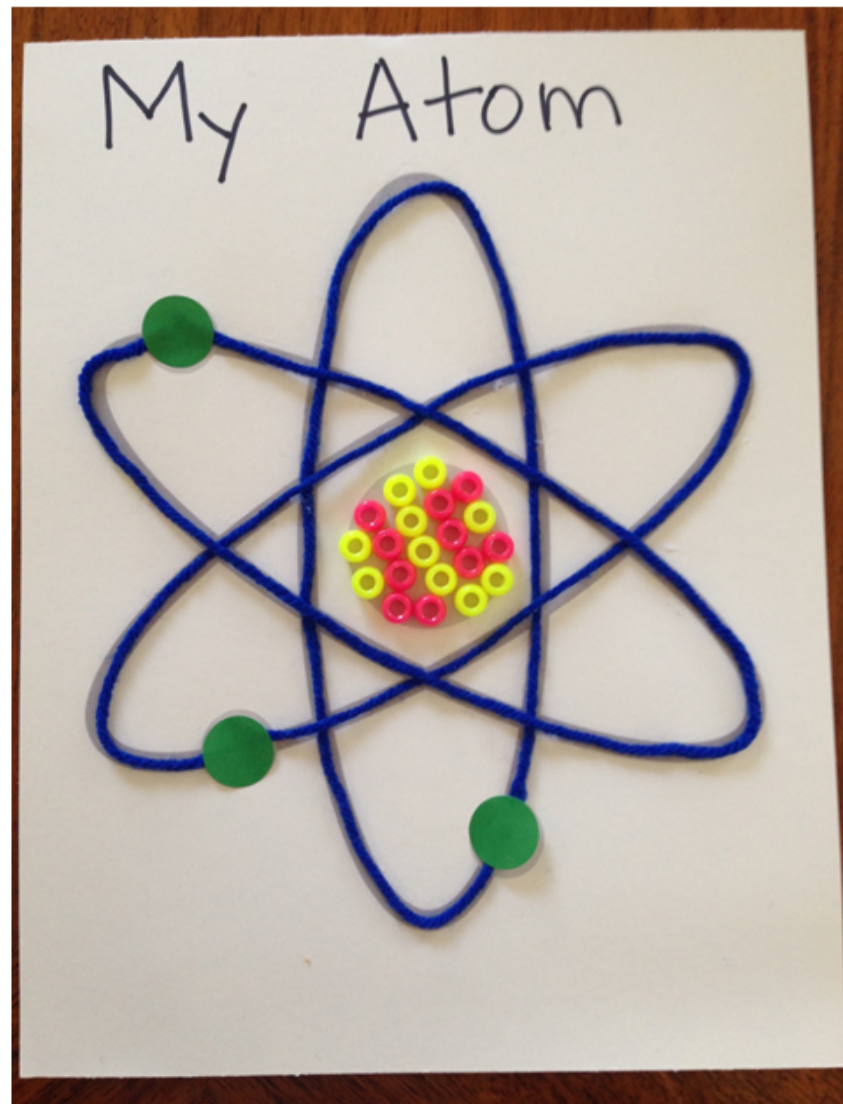
Christa Joy, Special Needs for Special Kids
The Picture Communication Symbols ©1981–2018 by Tobii Dynavox. All Rights Reserved
Worldwide. Used with permission. Boardmaker® is a trademark of Tobii Dynavox

 nucleus
 proton
 electron
 neutron

Christa Joy, Special Needs for Special Kids
The Picture Communication Symbols ©1981–2018 by Tobii Dynavox. All Rights Reserved
Worldwide. Used with permission. Boardmaker® is a trademark of Tobii Dynavox

There are 2 different activities where students label different parts of the atom using either words or pictures. Suggestions for differentiation are included.

Completed sample



There are directions and a template for students to make their own model of an atom.

The Atom

1. The atom is the particle of matter.
2. The is the center of the atom.
3. rotate around the nucleus in orbits.
4. The atoms stays together due to .
5. Electrons have a charge.

ChristaJ...
The Picture Communication Sym...
Worldwide. Used with perm...

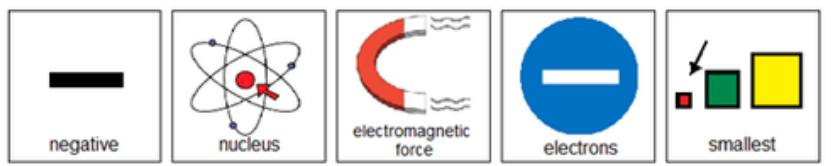
The Atom

6. Protons have a charge .
7. Neutrons have charge.
8. was the first person to identify matter was made of atoms.
9. Elements are made up of atoms that are all the .
10. is the most common atom in the universe.

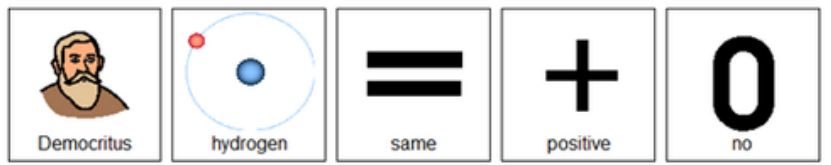
pecial Kids
bbil Dynavox. All Rights Reserved
s trademark of Tobii Dynavox

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

Page 1



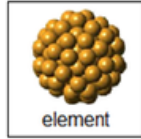
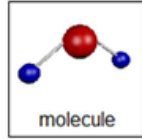
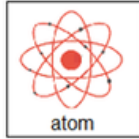
Page 2



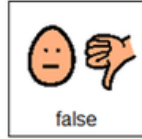
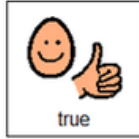
Close worksheets are a great informal assessment. There are 2 worksheets included.

Answer key included.

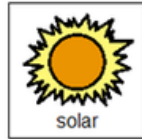
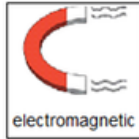
1. What is the name of smallest unit of matter?



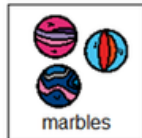
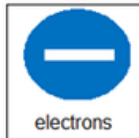
2. True or False. The nucleus contains electrons.



3. This force keeps an atom from flying apart:



4. The inside of the atom contains:

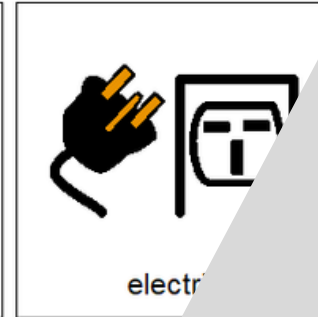
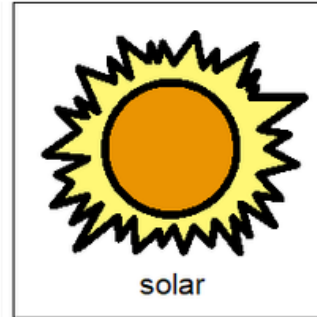
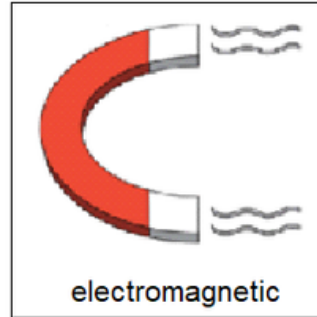


5. Particles in the atom that have a positive charge are:



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

Q 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:

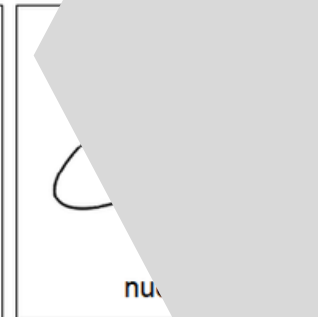
- A. Electrons
- B. Marbles
- C. Nucleus

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

- A. Electrons
- B. Protons
- C. Neutrons

6. Neutrons have:

- A. Negative charge
- B. Positive charge
- C. No charge



FINALLY the assessment!! There are 3 versions.

- 10 questions with 3 picture choices for each question
- cut out the answer choices and glue them on index cards
- traditional multiple choice

Answer key included.

Watch the movie on atoms.

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

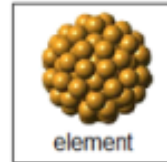
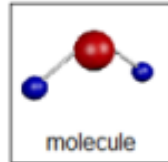
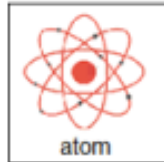


Christa Joy, Special Needs for Special Kids

This unit also has digital activities. There is a movie version of the books students can listen to read aloud.

Great for review

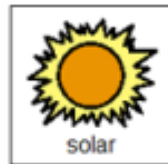
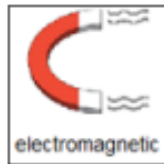
1. What is the name of smallest unit of matter?



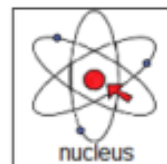
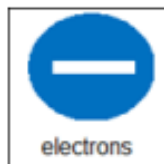
2. True or False. The nucleus contains electrons.



3. This force keeps an atom from flying apart:



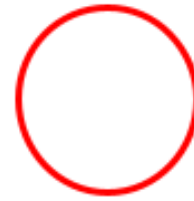
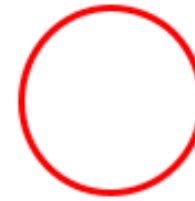
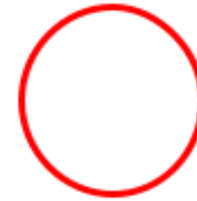
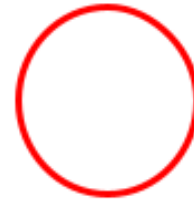
4. The inside of the atom contains:



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



Place a circle on the correct answer.



The digital activities have students click and drag their answers.

Perfect for every learning level

Day 2
differentiated

LABELING ATOMS
Move the labels on the right to the boxes on the left.

proton

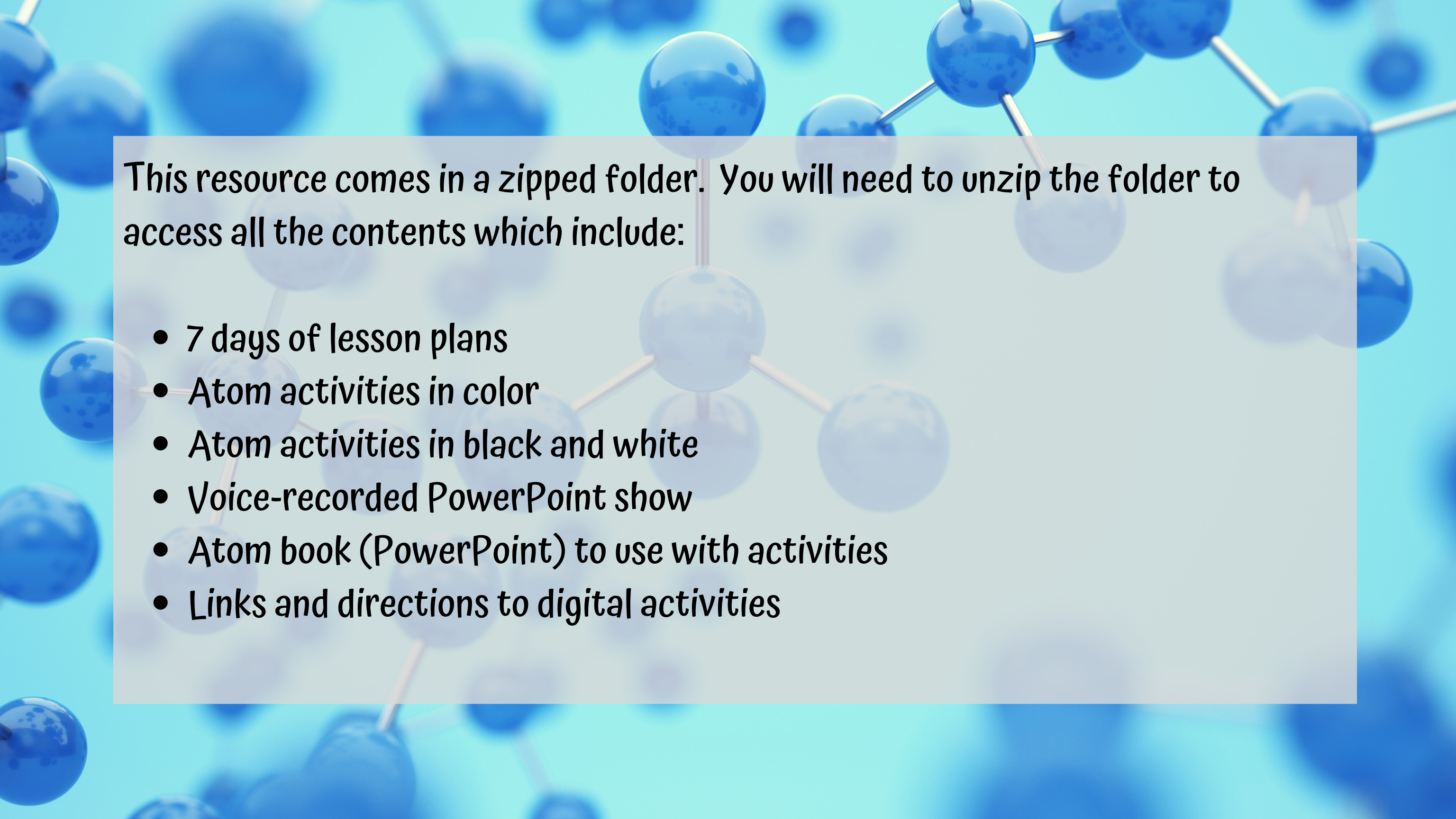
neutron

nucleus

electron

Christa Joy, Special Needs for Special Kids
The Picture Communication Symbols ©1981-2020 by Tobii Dynavox. All Rights Reserved
Worldwide. Used with permission. Boardmaker® is a trademark of Tobii Dynavox

There are 2 sets of slides. One set has color-coding for more support.



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

- *7 days of lesson plans*
- *Atom activities in color*
- *Atom activities in black and white*
- *Voice-recorded PowerPoint show*
- *Atom book (PowerPoint) to use with activities*
- *Links and directions to digital activities*