

LAB SAFETY

**SAFETY
FIRST**

**For
Special
Ed**

 **INCLUDES GOOGLE SLIDES**

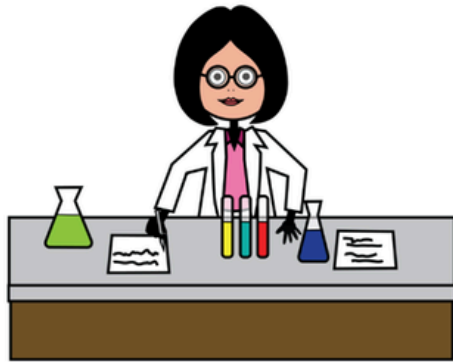


For students who:

- 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

Lab Safety Unit

By
Christa Joy
Special Needs for Special Kids



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

Table of Contents

Pages	Activity
4-5	Vocabulary board
6-20	Bingo cards
21-26	Scenario cards
27-31	Power cards
32-35	Circle map
36-39	Sorting activity
40-44	Yes/No activity
45-46	Safety pledge
47-57	Assessment
58-59	Terms of Use

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

This unit contains **5 days** of material in both printable and digital formats. 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.

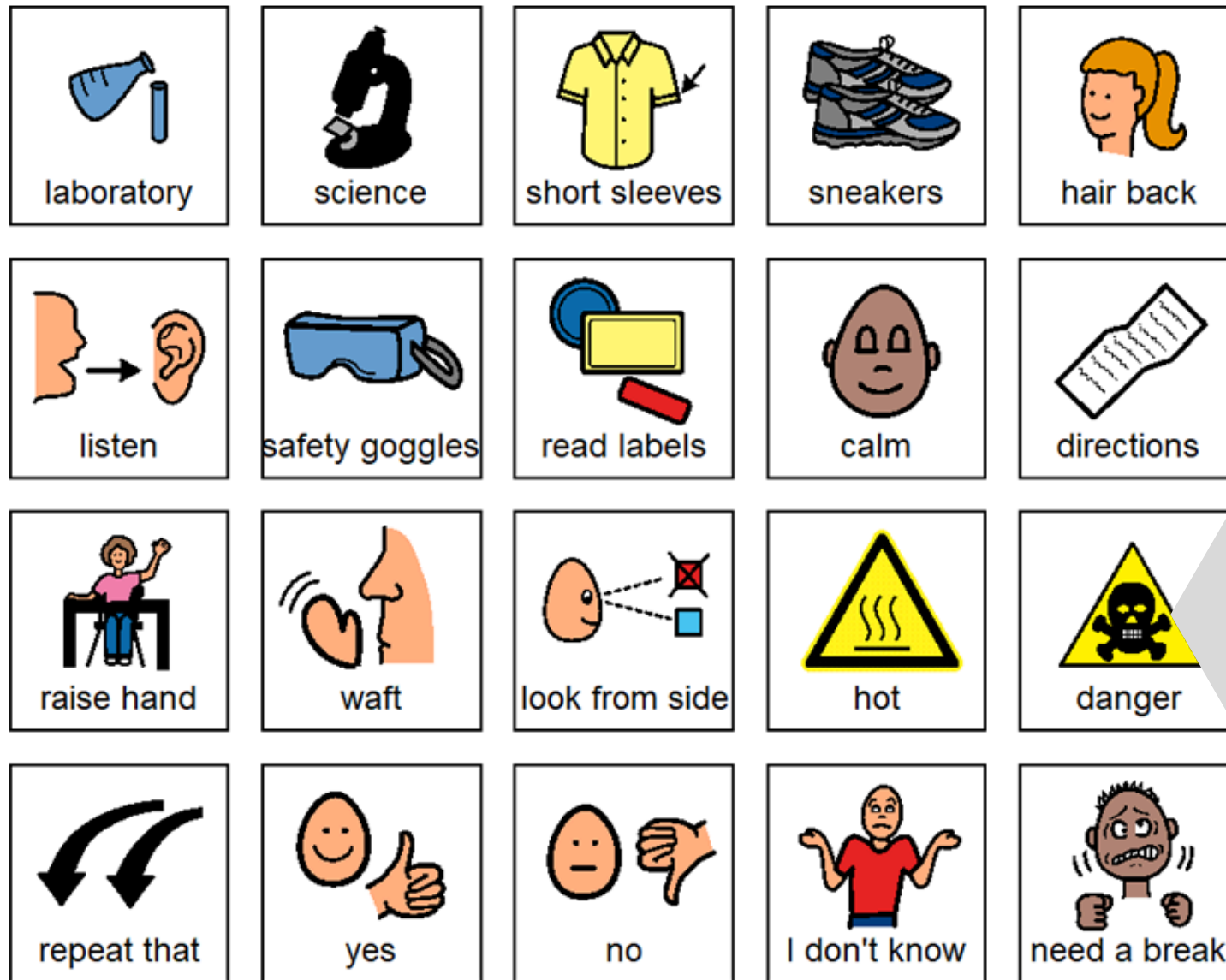
It comes in 2 separate files. One in color and one in black and white.

Day 2

Activity	Notes	Materials
Read or listen to the book: Lab Safety (10 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
I Spy Game with vocabulary board (10 minutes)	<ul style="list-style-type: none"> • Hold up one of the pictures from the board so only you can see it. • Describe it with as much detail as you can • Ask students to put their marker/counter on the picture they think you are holding • Turn it around and ask students to raise their hand if they got it correct 	<ul style="list-style-type: none"> • Vocabulary board cut apart • Vocabulary board
Scenario Cards	<ul style="list-style-type: none"> • Choose 5-10 of the scenario cards • Give each student a safe and unsafe card • As you read the scenario, have students hold up the safe or unsafe card • Set aside any that students got incorrect to review again tomorrow 	<ul style="list-style-type: none"> • Scenario Cards • Safe/Unsafe symbol cards (one set for each student)
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
Sorting activity (10 minutes)	<ul style="list-style-type: none"> • Do the sorting activity looking at safe and unsafe actions <ul style="list-style-type: none"> ◦ Add color coding for students who need more support. • Make connections to the book as necessary 	<ul style="list-style-type: none"> • Sorting activity • Scissors • Glue
Sharing (10 minutes)	<ul style="list-style-type: none"> • Each student shares their finished activity with the group using the communication method of their choice 	<ul style="list-style-type: none"> • Completed activity • Communication devices

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



Christa Joy, Special Needs for Special Kids
 The Picture Communication Symbols ©1981–2019 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!!

There are NO vocabulary cards in this unit.

Depending on the experiment, you may need to wear safety glasses or goggles. You may also need to wear gloves.



Safety goggles

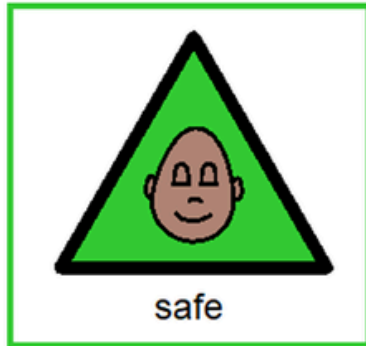
There is a 23 page book with this unit using simple text and photos.

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



Safety Cards

- Make a set for each student
- Read the scenarios and have students hold up the correct card (safe or unsafe)
- Answer Key
 - Even numbered scenarios are unsafe
 - Odd numbered scenarios are safe



Christa Joy, Special Needs for Special Kids
The Picture Communication Symbols ©1981-2019 by Tobii Dynavox. All Rights Reserved
Worldwide. Used with permission. Boardmaker® is a trademark of Tobii Dynavox

Scenario cards to read aloud. You can cut them apart if desired.

<p>1</p> <p>Tom enters the lab wearing a lab coat, safety goggles, and gloves. He listens carefully to the teacher who explains the experiment for the day.</p>	<p>2</p> <p>Judy comes to the lab wearing flip-flops and chewing gum.</p>
<p>3</p> <p>Maria ties back her long hair so it is out of the way before she enters the lab.</p>	<p>4</p> <p>Alex starts mixing chemicals together without reading the instructions or knowing what they are.</p>

Christa Joy, Special Needs for Special Kids
The Picture Communication Symbols ©1981-2019 by Tobii Dynavox. All Rights Reserved
Worldwide. Used with permission. Boardmaker® is a trademark of Tobii Dynavox

Group Activity

There are 20 scenario cards you can read aloud.









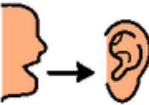



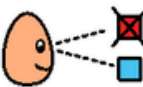



Students will hold up a safe or unsafe card for each.

Bingo cards



- Included are 10 Bingo cards in color and 10 Bingo cards in BW.
- Place the cards in page protectors or laminate for long term use.
- **Calling cards are included.**
- This is a great way to practice the new vocabulary included in this unit.
- Cut apart a set of the vocabulary cards to use as the calling cards.
- Options:
 - Show students the picture for them to match
 - Read the definition and see if students can find the matching picture
 - Work as teams
 - Vary the "winning" patterns.
 - Cover all
 - Cover corners
 - Row across or down
 - Cover the edges
 - Vary the ways to mark the card
 - Place in page protector or laminate and use dry erase markers
 - Stickers
 - Post-it notes
 - Dot markers

Lab Safety

 unsafe	 safe	 laboratory	 Safety goggles
 science	 short sleeves	 sneakers	 hair back
 listen	 Read labels	 hot	 waft
 Look from side	 Follow directions	 Stay calm	 sci

Group Activity

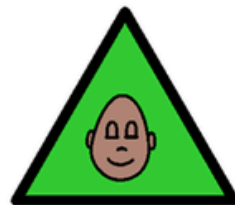
There are bingo cards to review some of the vocabulary included in the unit.

Calling cards are included.

In color and black and white.



unsafe



safe



laboratory



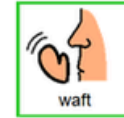
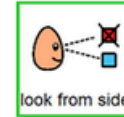
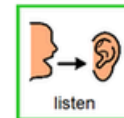
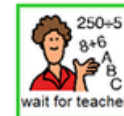
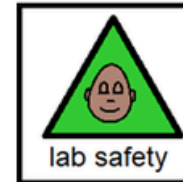
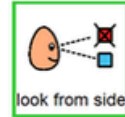
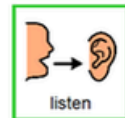
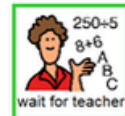
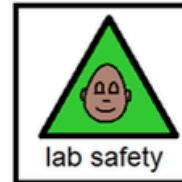
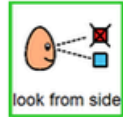
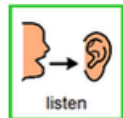
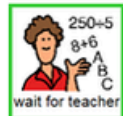
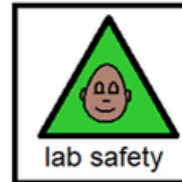
safety goggles

LAB SAFETY

1. Dress for the lab
 - Short sleeves
 - Sneakers
 - Hair back
2. Wait for teacher
3. Listen
4. Wear safety goggles
5. Read labels
6. Do NOT mix chemical unless part of experiment
7. Do NOT pour chemicals down the drain **X**
8. Look from the side
9. Waft the smells
10. Wait for things to cool

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

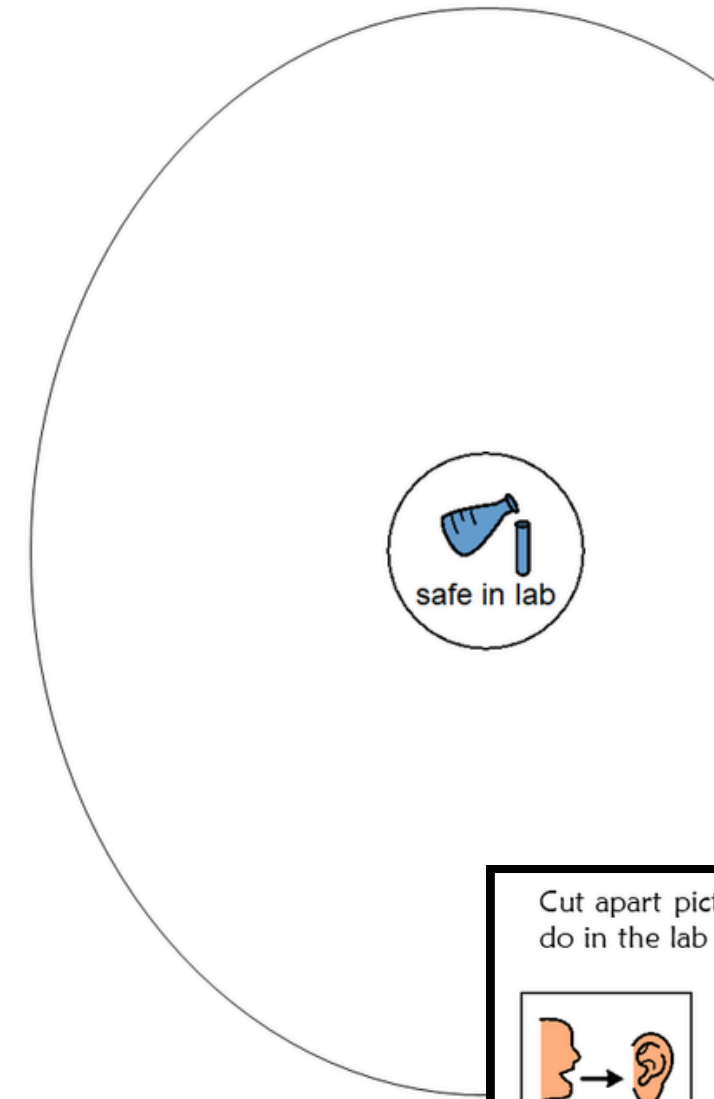
ChristaJoy, Special Needs for Special Kids
The Picture Communication Symbols ©1981–2018 by Tobii Dynavox. All Rights Reserved
Worldwide. Used with permission. Boardmaker® is a trademark of Tobii Dynavox



Display Safety Rules

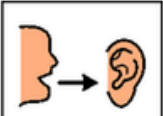





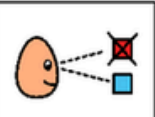

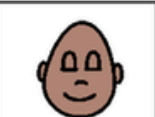

You can display the safety rules in your lab in several different ways.

- With or without pictures
- different sizes included
- Color and black and white

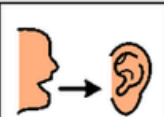
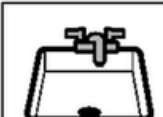




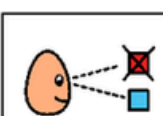

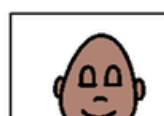





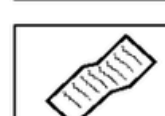


Errorless version

Cut apart pictures and place in circle map showing how to be safe in the lab.

 listen	 safety goggles	 short sleeves	 sneakers	 hair back
 waft	 look from side	 read labels	 stay calm	 follow directions

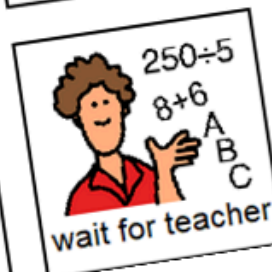
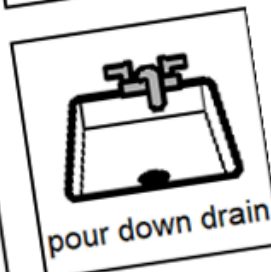
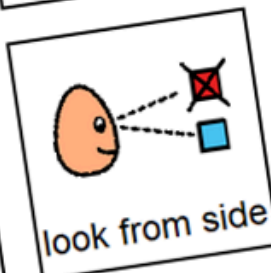
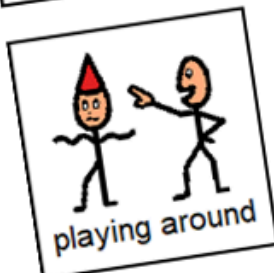
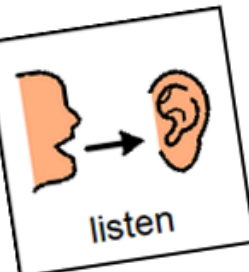
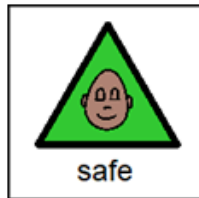
Cut apart pictures and place in circle map **ONLY IF** they are safe to do in the lab

 listen	 pour down drain	 short sleeves	 panic	 hair back
 waft	 look from side	 read labels	 stay calm	 push others
 eat	 safety goggles	 messy hair	 sneakers	 follow directions

There is a circle map that reviews the main points from the book.

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.



A sorting activity looks at safe and unsafe actions in the lab. Suggestions for differentiation and an answer key are included.





Circle if each object or action is safe or unsafe in a science laboratory.





 flip flops	 safe	 unsafe	 I don't know
---	---	---	---

 messy hair	 safe	 unsafe	 I don't know
---	---	---	---

 sitting quietly	 safe	 unsafe	 I don't know
--	---	---	---

 listen	 safe	 unsafe	 I don't know
---	---	---	---

 break things	 safe	 unsafe	 I don't know
---	---	---	---


 quiet	 safe	 unsafe	 I don't know
---	--	--	--

Christa Joy, Special Needs for Special Kids
The Picture Communication Symbols ©1981-2019 by Tobii Dynavox. All Rights Reserved
Worldwide. Used with permission. Boardmaker® is a trademark of Tobii Dynavox

Circle if each object or action is safe or unsafe in a science laboratory.

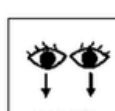

 T-shirt	 safe	 unsafe	 I don't know
--	---	---	---

 snack foods	 safe	 unsafe	 I don't know
--	---	---	---

 sneakers	 safe	 unsafe	 I don't know
--	--	--	--

 down drain	 safe	 unsafe	 I don't know
---	---	---	---

 deep smell	 safe	 unsafe	 I don't know
---	---	---	---

 look into	 safe	 unsafe	 I don't know
--	---	---	---

Christa Joy, Special Needs for Special Kids
The Picture Communication Symbols ©1981-2019 by Tobii Dynavox. All Rights Reserved
Worldwide. Used with permission. Boardmaker® is a trademark of Tobii Dynavox

Given a picture, students will decide if it is safe or unsafe in the lab.

3 worksheets included.

Suggestions on increasing engagement with different ways to record their answer are included.

I pledge to follow all the safety rules in the .

I will wear appropriate and to the lab.

I will wait for the before entering the lab.

I will to all the instructions.

I will be so I can learn all I can in the lab.



listen



safe



laboratory



clothes



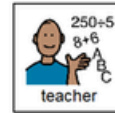
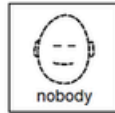
teacher



shoes

Students will complete a safety pledge as a way to informally assess if more teaching is needed.

1. Who should you wait for before going into the lab?



2. What can happen with long or loose sleeves in the lab?



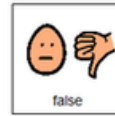
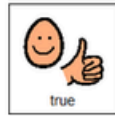
3. What type of shoes are best for the science lab?



4. What can you wear to protect your eyes in the lab?



5. True or False. It is okay to mix random chemicals together to see what might happen.



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

Q 3



sandals



sneakers



flip flops

Q 4



sunglasses



safety goggles

1. Who should you wait for before going into the lab?

- A. Best friend
- B. Nobody
- C. Teacher

2. What can happen with long or loose sleeves in the lab?

- A. Knock things down
- B. Keep you warm
- C. Use to wash your face

3. What type of shoes are best for the science lab?

- A. Sandals
- B. Sneakers
- C. Flip flops

4. What can you wear to protect your eyes in the lab?

- A. Contact lenses
- B. Sunglasses
- C. Safety goggles

5. True or False. It is okay to mix random chemicals together to see what might happen.

- A. True
- B. False
- C. I don't know

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.

Lab Safety

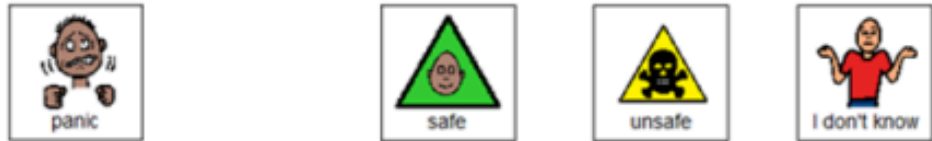
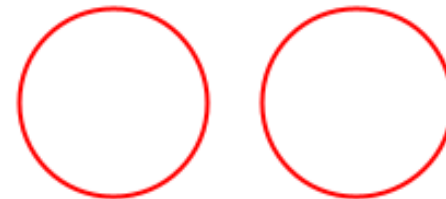
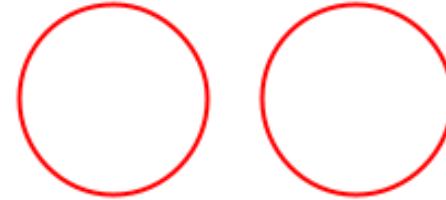
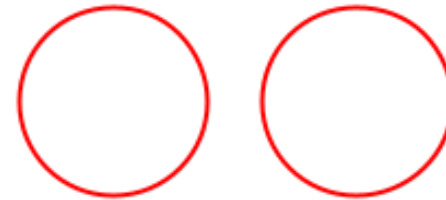
By
Christa Joy



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



Circle if each object or action is safe or unsafe in a science laboratory.



The digital activities have students click and drag their answers.



safe



unsafe

Sort pictures in the correct column depending on if it is safe or unsafe. If you are not sure, place it on the middle line.

 <p>listen</p>	 <p>safety goggles</p>	 <p>short sleeves</p>	
 <p>hair back</p>	 <p>pour down drain</p>	 <p>look from side</p>	
 <p>mix random things</p>	 <p>big clothes</p>	 <p>messy hair</p>	
 <p>eat</p>	 <p>waft</p>	 <p>250÷5 8+6 A B C wait for teacher</p>	

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:

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