

Types of Severe Weather

**For
Special
Ed**



ALSO 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*
- *elementary or middle school*

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Christa Joy, Special Needs for Special Kids

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This unit contains over 150 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.

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

15 days

Day 14

Activity	Notes	Materials
Read or listen to the movie of the book: <i>Where severe weather occurs</i> (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
Vocabulary board activity (10 minutes)	<ul style="list-style-type: none">• Choose an activity to do with the vocabulary board from list	<ul style="list-style-type: none">• Vocabulary board•
Experiment review (5 minutes)	<ul style="list-style-type: none">• Review the experiment done yesterday.	<ul style="list-style-type: none">• Activity completed yesterday
Writing Prompt (10 minutes)	<ul style="list-style-type: none">• Students will write a story about what type of storm shelter they would build and what they would put in it• This is an errorless activity and can be done more than once• Make connections to the book as necessary	<ul style="list-style-type: none">• Writing paper• Scissors• Glue
Sharing (10 minutes)	<ul style="list-style-type: none">• Each student shares their finished story with the group using the communication method of their choice	<ul style="list-style-type: none">• Completed stories• 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

VOCABULARY BOARD/CARDS ACTIVITIES

By Christa Joy at specialneedsforpsecialkids.org

I Spy Game

Here is what you will need:

- one copy of the board for each student
- one teacher copy you have cut apart (enlarging it also helps but is not necessary)
- Counters or way for students to mark their board

How to play:

- 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
-

Scavenger hunt

Here is what you will need:

- one copy of the board for each student
- one teacher copy you have cut apart (enlarging it also helps but is not necessary)
- Sticky notes

How to play:

- Paste the symbols around the room
 - Students walk around with their vocabulary board looking for matching symbols
 - Place a sticky note on their board covering the symbols as they find them
-

Speed matching

Here is what you will need:

- two copies of the vocabulary board cut apart

How to play:

- place all the cards in the middle of the table
 - hold up a card, and the students race to find it in the pile in the middle of the table
 - NOTE: for students with physical challenges, allow them to simply find the symbol on their board or communication device
-

Puzzles

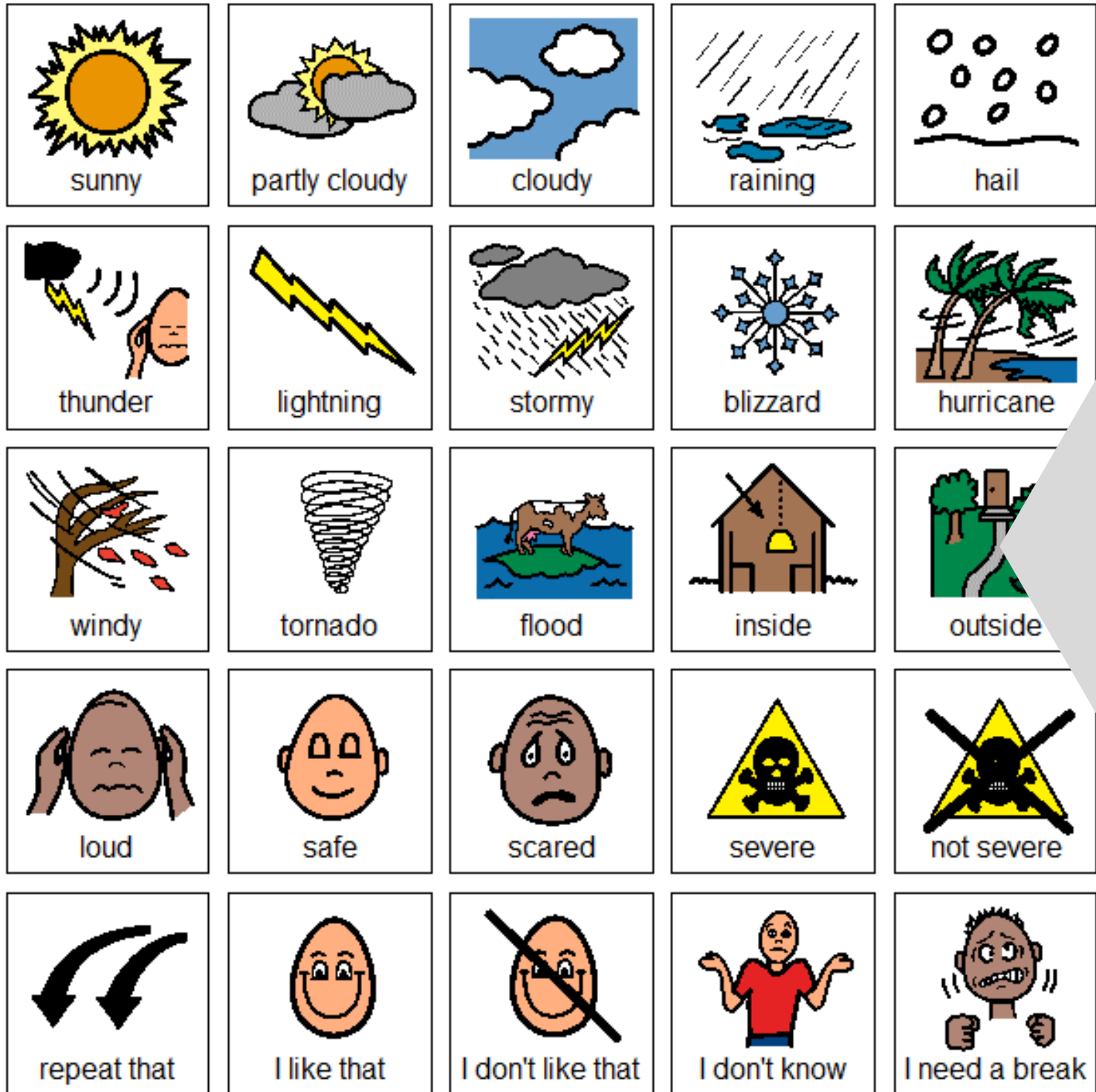
Here is what you will need:

- One copy of the vocabulary board with each symbol cut in half

How to play:

- Give each student a pile of pieces

There is a separate file that contains 10 group activities to choose from each day. These activities utilize the vocabulary board and strengthen the knowledge of new vocabulary.



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 many types of weather.

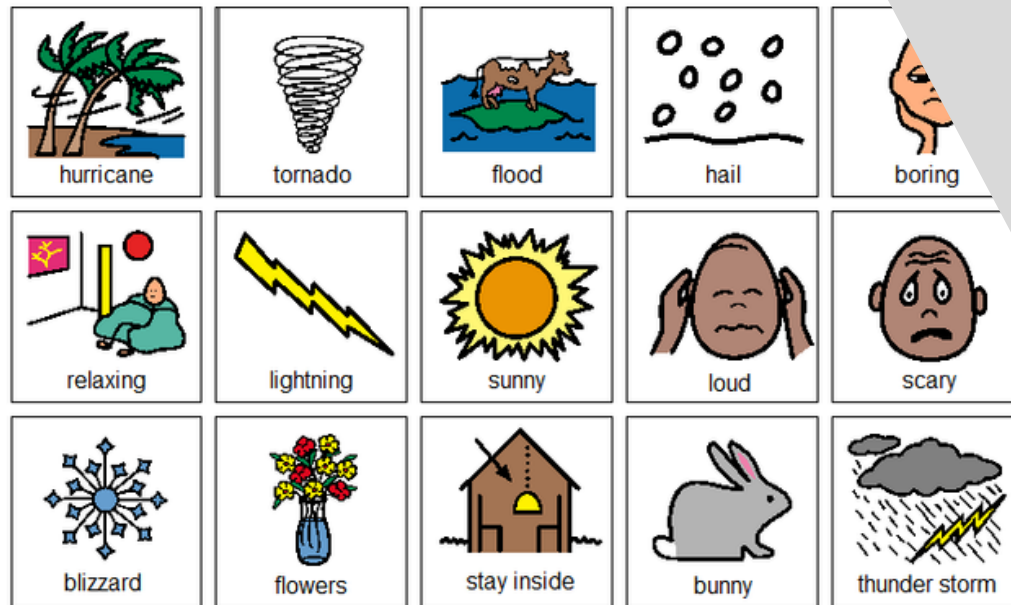
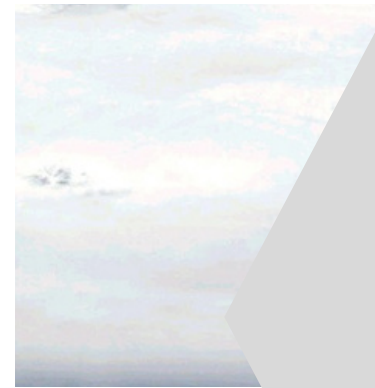
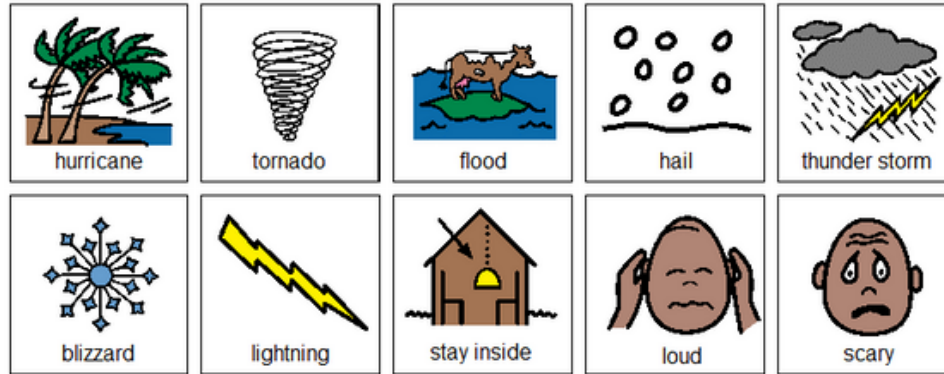
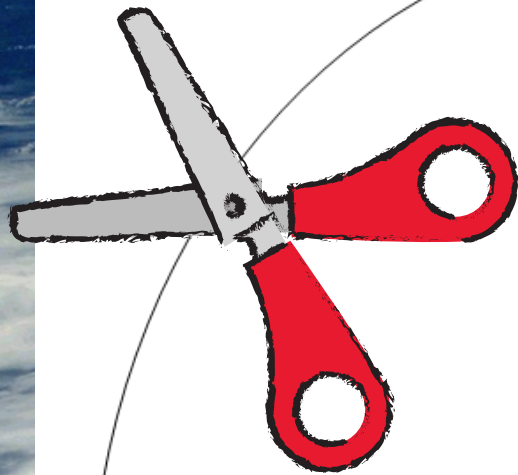
Christa Joy, Special Needs for Special Kids



Severe weather can happen in the summer.

3 books with this unit cover various aspects of severe weather. Each week use a different book.

It comes in a PowerPoint version as well as an mp4 (movie) version.



There are 2 circle maps. One is for week 1 and one is for week 2.

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



severe



not severe

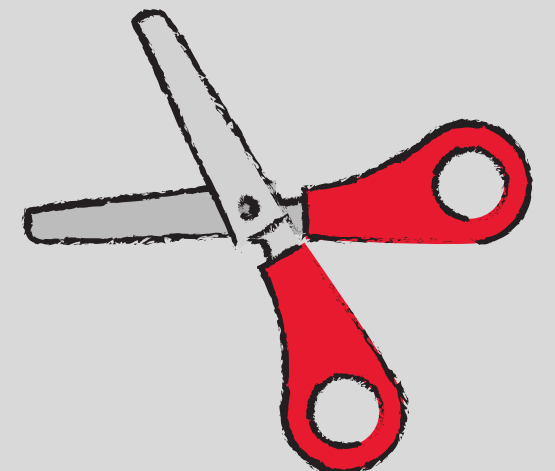
hurricane	partly cloudy	flood	see the moon	stormy
play outside	sunny	stay inside	loud	scary
go for a picnic	safe	partly sunny	hail	rainbow
raining	tornado	blizzard	foggy	nice outside

Where are some safe and unsafe places you can be in a bad storm?

safe	unsafe
------	--------

golf course	basement	hill	closet	outside
by a flagpole	near a window	in school	under a tree	in the mall
in a bathroom	in a field	in a car	inside	flying a kite

There are 2 sorting activities. One is for week 1 and one is for week 2



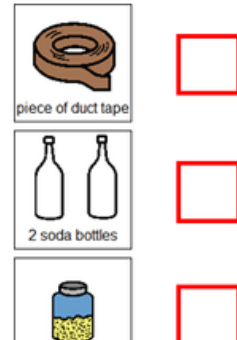
Tornado Teacher Directions

- Divide students into groups.
- Allow each group to gather their supplies and check them off on their first page.
- I would have the duct tape already torn into a piece that is about 3 inches x 3 inches.
- Place tape over the top of one bottle (caps have been removed). Help them to seal it down tightly.
- Make a hole in the tape (into the bottle) with a pen.
- Fill the other bottle three-quarters (3/4) of the way with water.
- Add some glitter to the water. This will simulate the debris that would fly around in a tornado.
- Place the two mouths of the bottles together (the empty one upside-down on top of the water-filled one), and tape them carefully together with the duct tape, making sure not to leave any holes. Test for leakage by carefully rotating the bottles.
- To create the tornado affect, turn the bottles upside-down so that the water should be flowing through the hole into the bottom, empty bottle. Swirl slowly to help create the funnel.

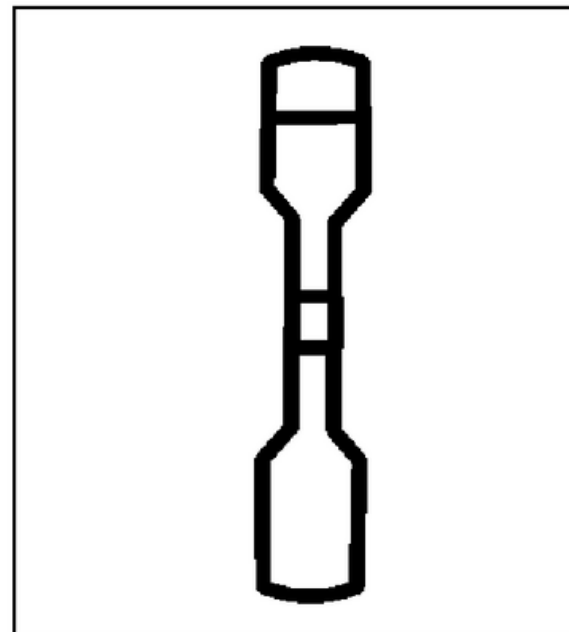
Tornado Experiment

People on my team: _____





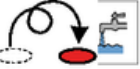





Materials needed:



Draw or take a picture of what you saw



Steps to make a tornado

- Remove caps from bottles. 
- Place tape over top of bottle #1. 
- Press down all-around edge. 
- Poke hole in tape with pen. 
- Fill bottle #2 half-way v 
- Add glitter to the water. 
- Place empty bottle on top of bottle with water. 
- Tape together. 
- Check for leaks. 
- Turn upside down and watch for a tornado! 

Each week has an experiment. Included are teacher directions, student pages (collecting materials, instructions with picture prompts, and recording observations.)

Tornados



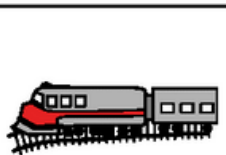
1

2

3

Use the following choices to complete the sentence on the previous page about tornados.

3



train



scary



wet



strong



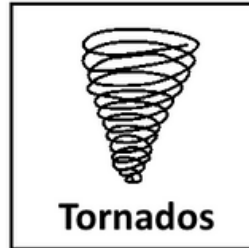
howling



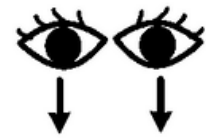
dangerous

Use the following choices to complete the sentence on the previous page about tornados.

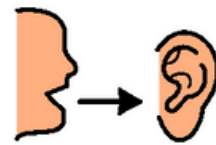
1



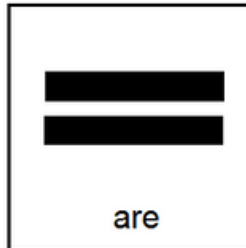
Tornados



look like



sound like

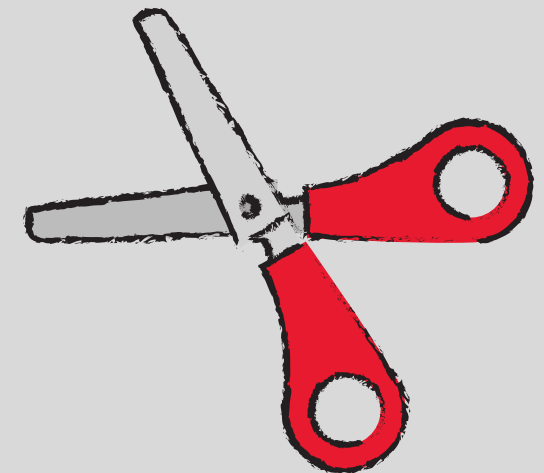


are

2

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Each week has a different writing prompt. This one is on tornados.



My Storm Shelter

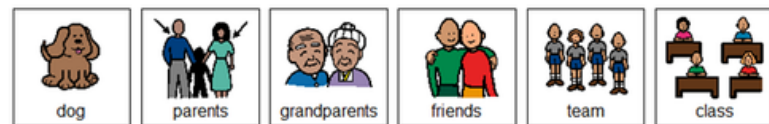
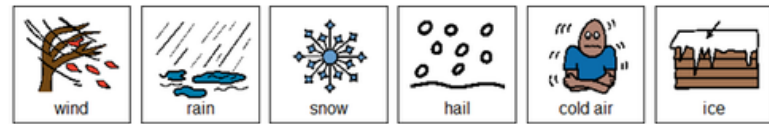
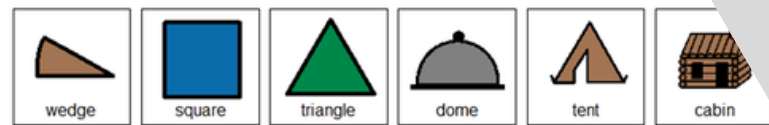
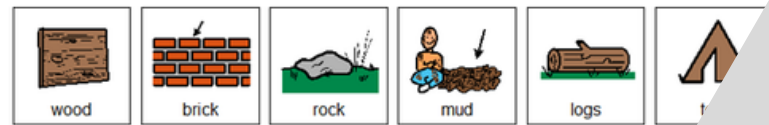
1. My storm shelter will be made from .

2. My storm shelter will be shaped like a .

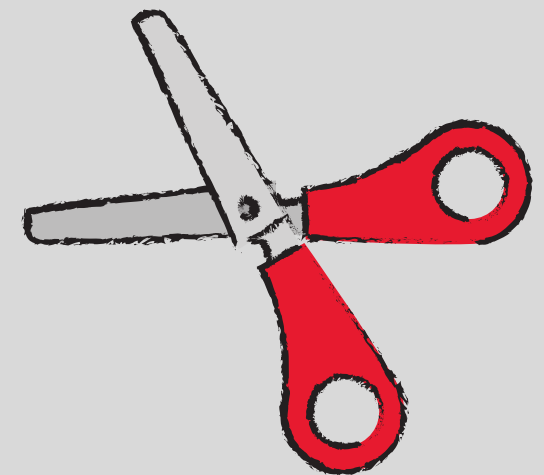
3. It will keep out the , and keep me safe.

4. There will be enough room for my to come too.

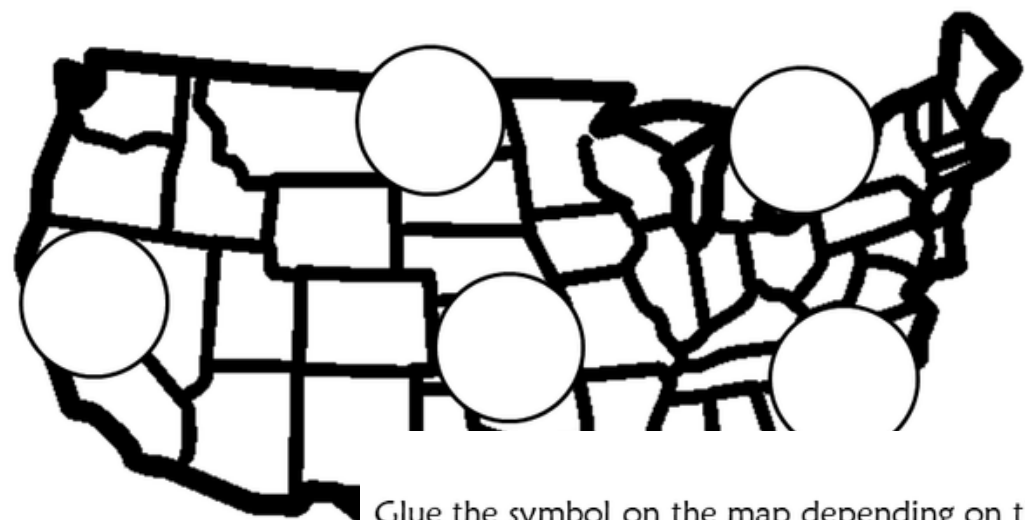
5. I will bring plenty of with me.



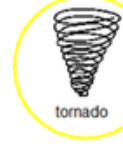
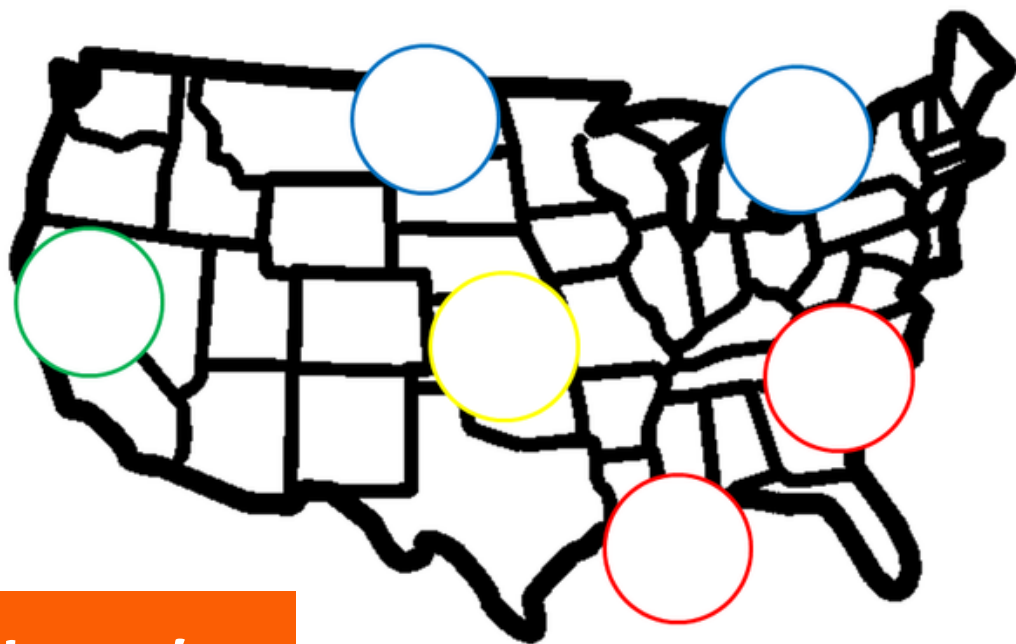
Each writing prompt is errorless and can be done more than once so students can create more than one story



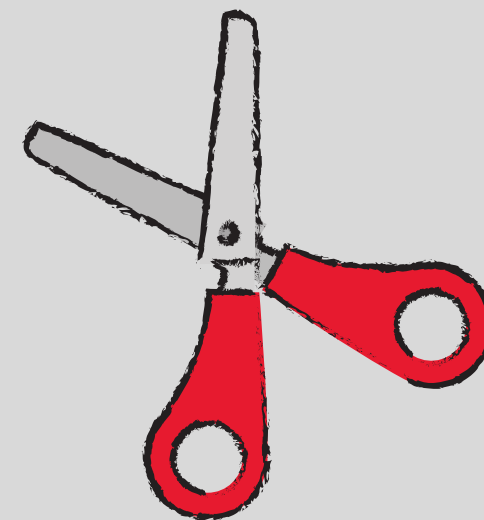
Glue the symbol on the map depending on the type of severe weather that might occur there.



Glue the symbol on the map depending on the type of severe weather that might occur there.



Week 3 has a map of the United States. Students can identify what types of severe weather occurs where.

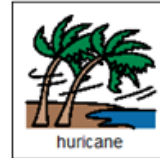
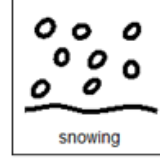
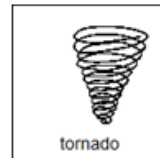
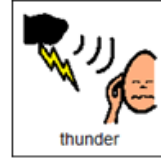
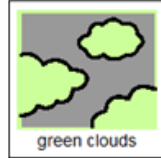
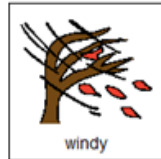


Color-Coded version

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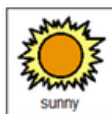
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Look at the following signs and see if you can predict the type of weather that may be coming.



Week 3 has a matching rather than sorting activity. Students match the sign to the severe weather that could be coming. A differentiated version is included.

1. Which is an example of severe weather?



sunny

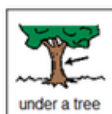


raining



tornado

2. Where should you go if there is severe weather?



under a tree



playground



inside

3. What type of weather might you see before it starts to hail?



stormy



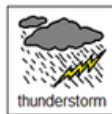
blizzard



4. As the clouds get dark and you hear loud booms, what type of severe weather should you watch for?



blizzard



thunderstorm

5. In our experiment, what type of weather did we make in the bottle?



hail



tornado

1. Which is an example of severe weather?

- A. Sunny
- B. Rain
- C. Tornado

2. Where should you go if there is severe weather?

- A. Under a tree
- B. To the playground
- C. Inside

3. What type of weather might you see before it starts to hail?

- A. Stormy
- B. Blizzard
- C. Sunny

4. As the clouds get dark and you hear loud booms, what type of **severe** weather should you watch for:

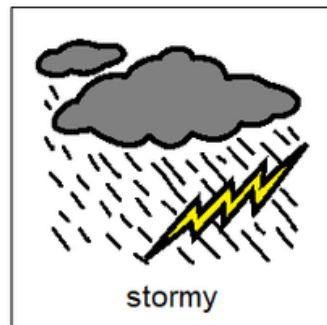
- A. Blizzard
- B. Thunderstorm
- C. Fog

5. In our experiment, what type of weather did we make in the bottle?

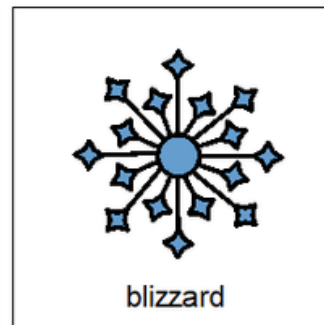
- A. Hail
- B. Tornado
- C. Blizzard

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

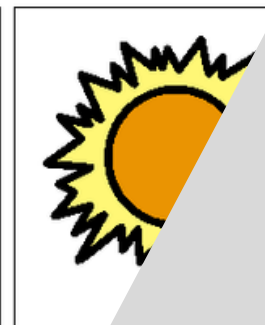
Q 3



stormy



blizzard



Version 3



thunderstorm

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.

Where Does Severe Weather Occur?

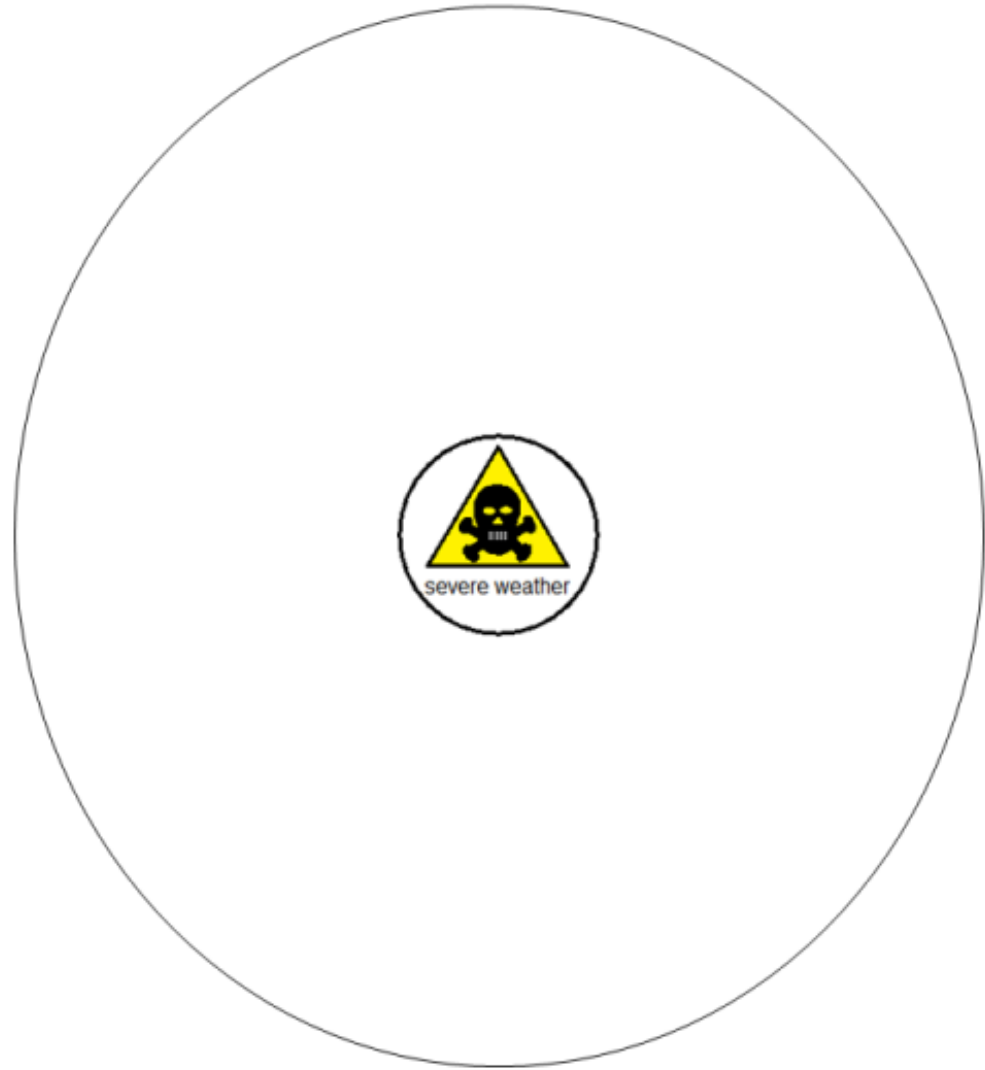


*By
Christa Joy*

Watch the
movie on
Where Severe
Weather
Occurs

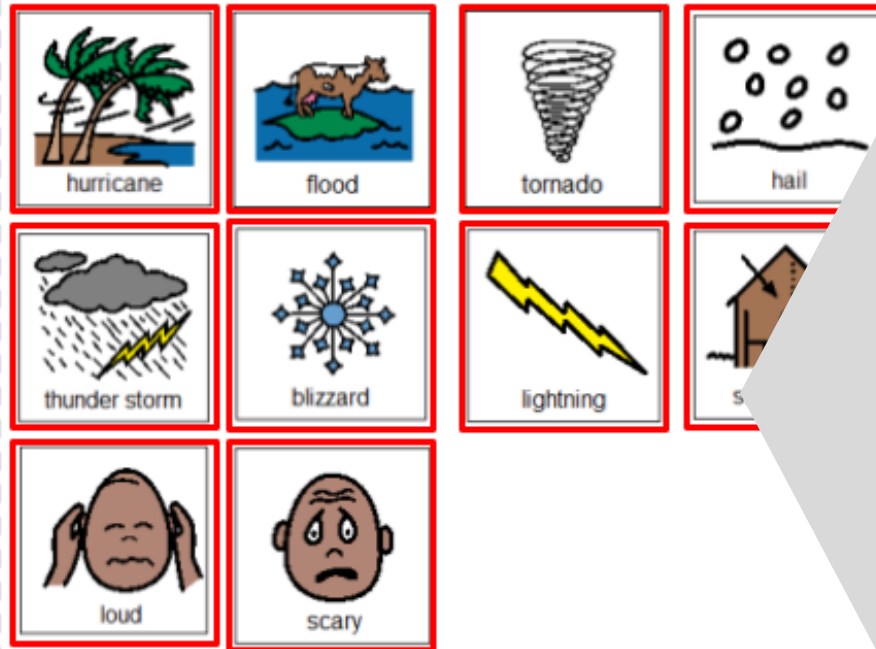
*There is a video of each
book read aloud.*

Great for review



Week 1

Place the picture in the circle map about severe weather.



There are digital versions of the activities included. Students click and drag the answers.

perfect for all learning levels

 getting cloudy	<input type="text"/>
 sun is shining	<input type="text"/>
 windy	<input type="text"/>
 green clouds	<input type="text"/>
 thunder	<input type="text"/>
 rainbow	<input type="text"/>
 freezing	<input type="text"/>

Week 3

Look at the following signs and see if you can predict the type of weather that may be coming.

 tornado	 rain ending	 raining	 snowing
 storm	 hurricane	 nice day	

There are 2 sets, one that includes differentiation shown here.

Tornado Experiment

Week 1

Type in the names of the people on your team. Move the checks to the empty boxes once you have the supplies you need.

People on my team:

Materials needed:

-  piece of duct tape
-  2 soda bottles
-  glitter
-  pen













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Each experiment (3) also has digital directions included.

Steps to make a tornado

Week 1

Move the checks to the empty boxes once you have completed the step.

- Remove caps from bottles. 
- Place tape over top of bottle #1. 
- Press down all-around edge. 
- Poke hole in tape with pen. 
- Fill bottle #2 half-way with water. 
- Add glitter to the water. 
- Place empty bottle on top of bottle with water. 
- Tape together. 
- Check for leaks. 
- Turn upside down and watch for a tornado! 



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

- *3 weeks of lesson plans*
- *Severe weather activities in color*
- *Severe weather activities in black and white*
- *Voice-recorded PowerPoint show*
- *All 3 books (PowerPoint) to use with activities*
- *Links and directions to digital activities*