

Special Ed

TEMPERATURE & THERMOMETER ACTIVITIES



ALSO INCLUDES GOOGLE SLIDES

Special Needs for Special Kids



This unit was created with this guy in mind. He has autism and an intellectual disability. He is a non-reader, and loves circle time. With some support he is able to do this unit, and enjoys the challenge. He is my tester!!

Temperature & Thermometer Activities

By
Christa Joy

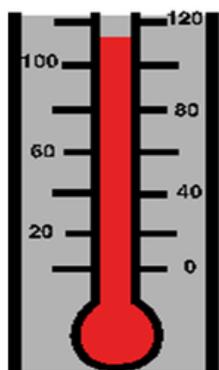


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28-29	Terms of Use

Also included in this resource as separate files:

- Links and directions to digital activities
- PowerPoints (these are the books in the lesson plans)
- Activities in black and white

This unit contains 9 days of material that is 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.

Temperature and Thermometers

Lesson Plan

Preparation

- Print out a vocabulary board for each student to use throughout unit
 - Laminate or place in page protector
- Books
 - Print out, laminate, and bind

Preassessment (do day 1 before starting lesson)

- Use the fact sheet to assess what your students may already know
- I cannot emphasize enough how important this step is. If you want to see growth, this preassessment is so important!!

Teaching Tips

1. *Color Coding:* this is a really easy way to add more structure to a matching activity. Outline or color in an empty box or sorting label. Outline or color in the corresponding picture symbols the same colors. Becomes a color matching task.
 - a. For more info, read more here:
<https://specialneedsforspecialkids.org/2015/09/05/using-color-coding-for-differentiation/>
 - b. I also have a blog post on differentiating one activity 3 ways:
<https://specialneedsforspecialkids.org/2018/10/22/differentiating-1-activity-3-ways-easily-and-effectively/>
2. *Make you own copies of the activities:* Every day I review the activity we did yesterday. For that reason:
 - a. I often complete the activity myself and often laminated it for easy review that I could use year after year.
 - b. My copies were also helpful as either a model for students who needed more support or as a way for more advanced students to self-check their work.
3. *Options for Use:* Turn any activity into a reusable file folder activity by laminating and adding Velcro.
 - a. For more info, watch this video here:
<https://www.teacherspayteachers.com/Product/Making-File-Folder-Activities-3474240>

The lesson plans contain:

Overall tips for teaching students with significant needs

Quick Look

Day	Activity
1	<ul style="list-style-type: none">• Book• Vocab board activity• Circle map
2	<ul style="list-style-type: none">• Book• Vocab board activity• Sorting activity
3	<ul style="list-style-type: none">• Book• Vocab board activity• Sorting activity
4	<ul style="list-style-type: none">• Book• Vocab board activity• Sequencing activity
5	<ul style="list-style-type: none">• Book• Vocab board activity• Sequencing activity
6	<ul style="list-style-type: none">• Book• Vocab board activity• Matching activity
7	<ul style="list-style-type: none">• Book• Vocab board activity• Matching activity
8	<ul style="list-style-type: none">• Book• Vocab board activity• Reading thermometers
9	<ul style="list-style-type: none">• Book• Vocab board activity• Reading thermometers

The lesson plans contain:

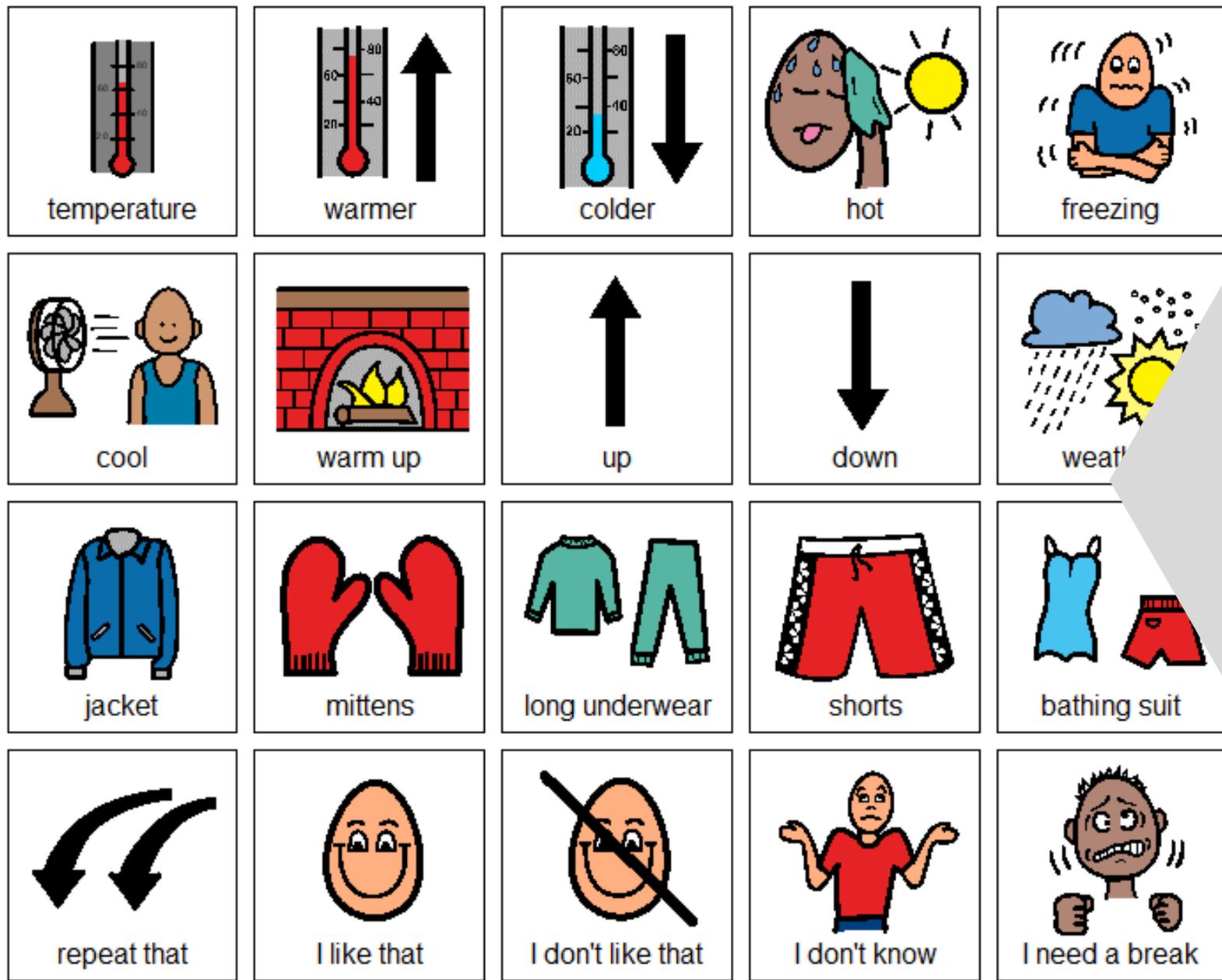
A quick look at what you will do each day

Day 3

Activity	Notes	Materials
Read the book: What is the temperature outside? (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
Scavenger Hunt with vocabulary board (10 minutes)	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• Vocabulary board cut apart• tape• Vocabulary board
Sorting activity review (5 minutes)	<ul style="list-style-type: none">• Review the sorting activity completed yesterday	<ul style="list-style-type: none">• Completed activity from yesterday
Sorting activity (10 minutes)	<ul style="list-style-type: none">• Do the sorting activity looking at activities you can do in the warm versus cold weather• Use color coding if needed for additional 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 worksheet• Communication devices

The lesson plans contain:

Detailed instructions on how that day's lesson should run



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!!

Why do we need to know the temperature?



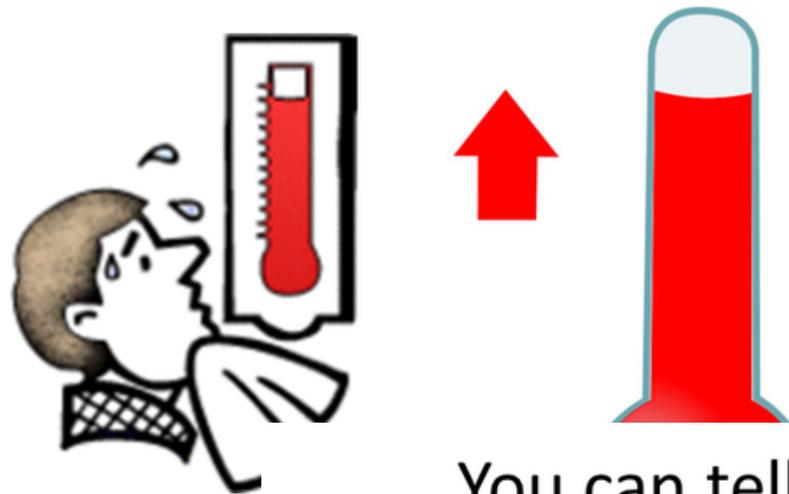
A thermometer tells us when it is freezing...



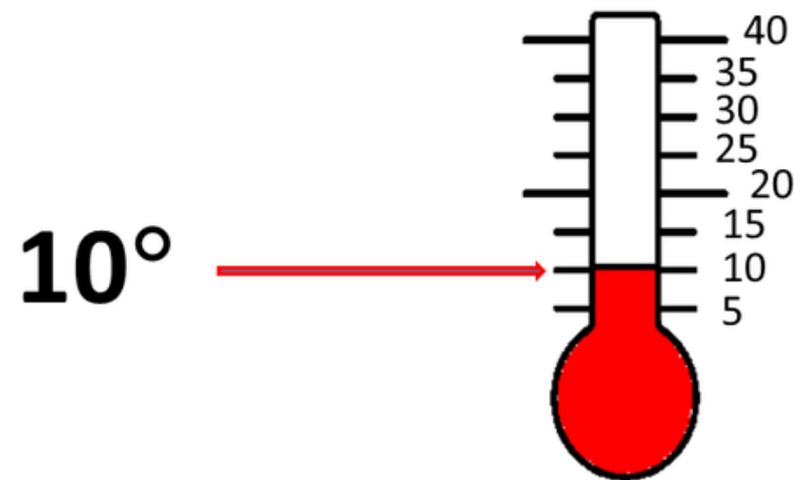
There is a book with simple text and engaging photos about the weather outside.

It comes in a PowerPoint version as well as a voice-recorded PowerPoint (so you don't have to print it out.) There is also a movie version you can use in google slides.

As the temperature gets warmer, the red mercury goes higher.



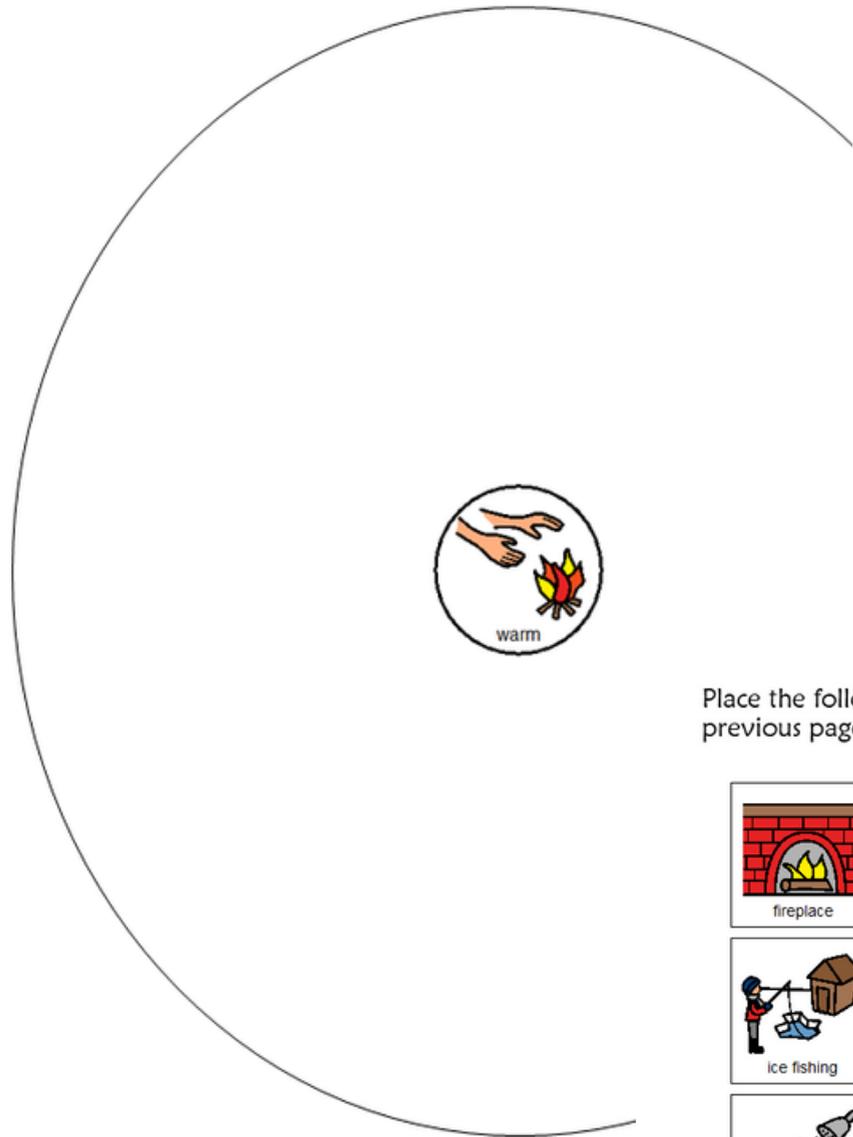
You can tell the temperature by reading the number where the mercury has stopped.



There is a book with simple text and engaging photos about how to read a thermometer.

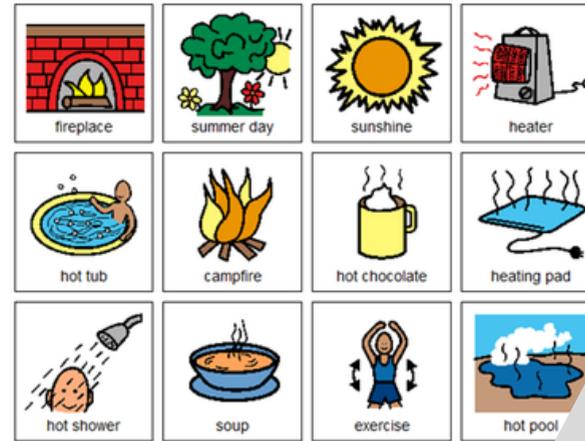
It comes in a PowerPoint version as well as a voice-recorded PowerPoint (so you don't have to print it out.) There is also a movie version you can use in google slides.

Use the circle map below to illustrate what memories would represent something warm.



Errorless version

Place the following pictures in the circle map on the previous page.



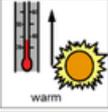
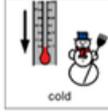
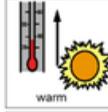
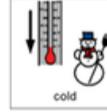
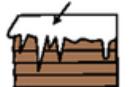
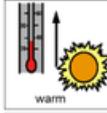
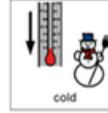
Place the following pictures in the circle map on the previous page **ONLY IF** they would be warm memories.



There is a circle map about things that are normally warm.

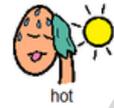
Circle maps are a great way for students to see the concept at a glance. There are 2 versions:

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

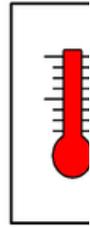
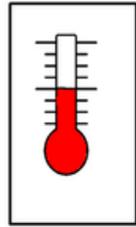
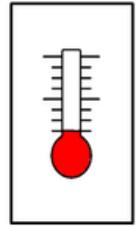
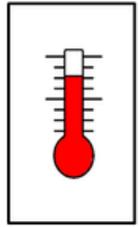
 warm	 cold	 warm	 cold
 partly cloudy	 ice	 icicles	 snowflake
 melt	 cloudy	 foggy	 stormy
 sunny	 windy	 spring	 warm
		 cold	 go to beach
		 close window	 open window
		 slide	 swim
		 sled	 ice skating

 jeans	 long sleeves	 long underwear	 short sleeves
 snowsuit	 bathing suit	 hat	 coat
 gloves	 jacket	 mittens	 raincoat

There are 3 sorting activities included. There are suggestions for differentiation and options for presentation included.

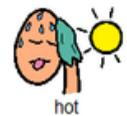
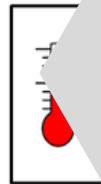
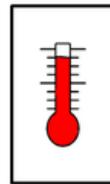
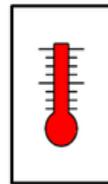
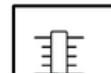
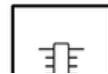


Place the thermometers in order from coldest to hottest.



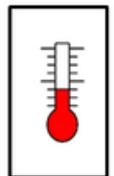
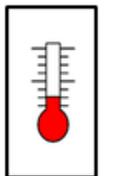
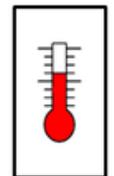
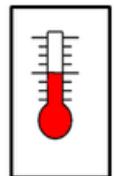
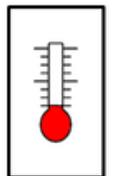
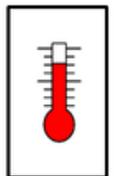
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Place the thermometers in order from coldest to hottest.



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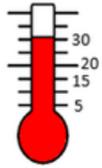
Place the thermometers in order from coldest to hottest.



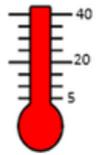
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There are sequencing activities where students put the thermometers in order. There are 3 levels: sequence 4, 6, or 8 thermometers.

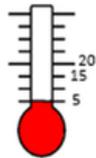
Draw a line from the thermometer to the correct temperature.



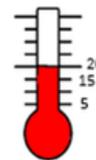
5°



30°



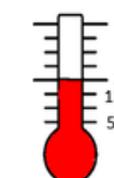
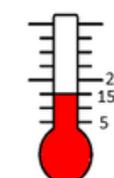
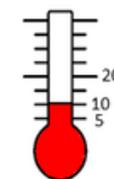
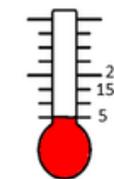
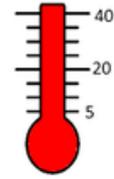
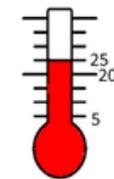
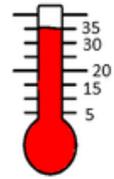
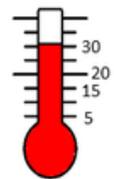
20°



40°

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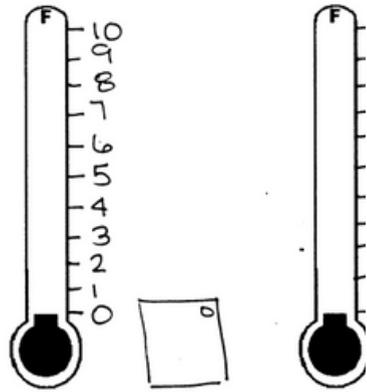
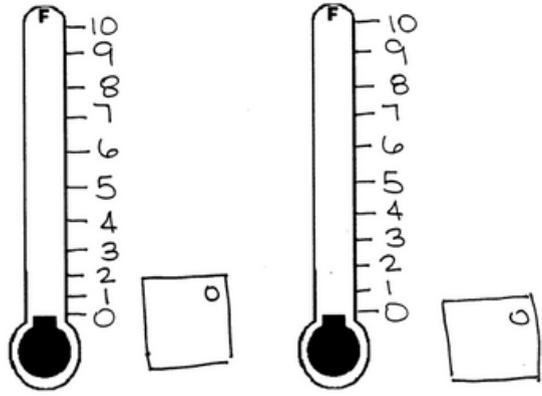
Read each thermometer and find the matching temperature.



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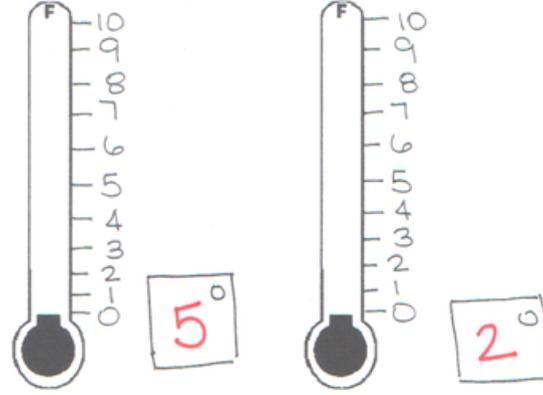
There are matching activities where students match the correct temperature to the thermometer.

Name: _____

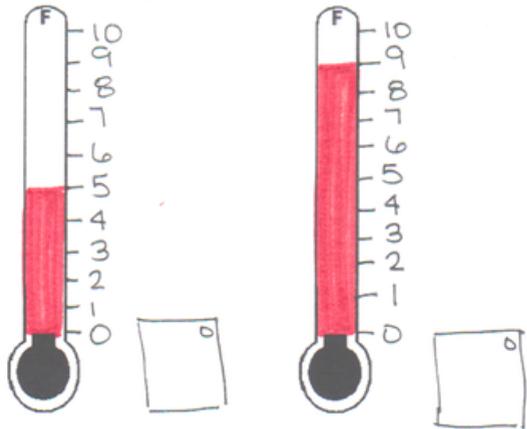
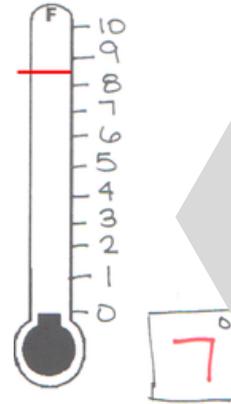
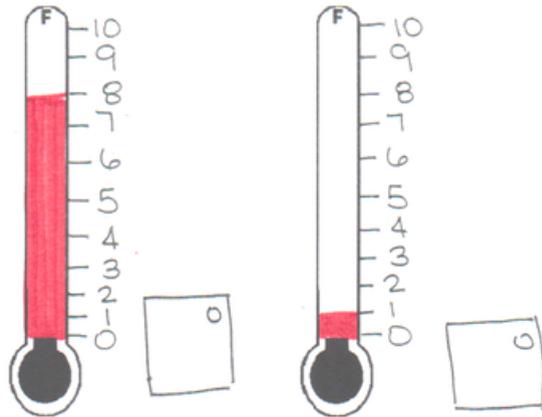


Blank worksheet to copy and customize for your stu

Sample 1: fill in the temperature and students color in the thermometer. You can add a red line as in the last example if more support is needed.



Sample 2: Teacher colors in the thermometer and student writes in the temperature.



Finally, there is a blank template that teachers can fill out and have students practice filling in their own thermometers.

Watch the movie about the temperature outside.

So, we can wear a hat and mittens with our winter coat.



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Watch the movie about reading a thermometer.

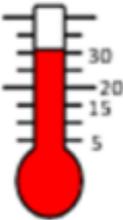
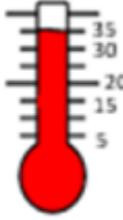
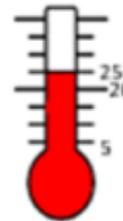
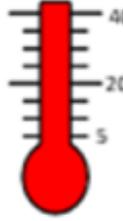
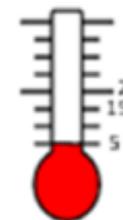
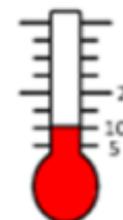
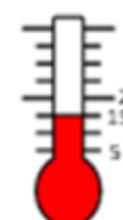
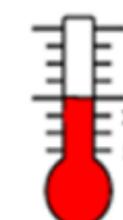


How do I Read a Thermometer?

By
Christa Joy

This unit also includes digital versions of the activities.

Students can watch a movie of books rather than printing them out.

 <input type="text"/>	 <input type="text"/>
 <input type="text"/>	 <input type="text"/>
 <input type="text"/>	 <input type="text"/>
 <input type="text"/>	 <input type="text"/>

Match the temperature to the correct thermometer.

10°	15°	35°
25°	5°	30°
20°	40°	

Each activity is set up so students can click and drag answers. No typing is required.



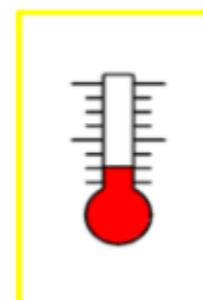
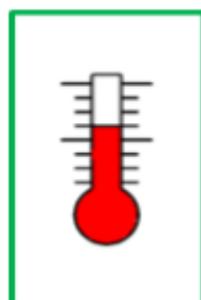
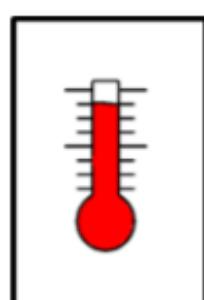
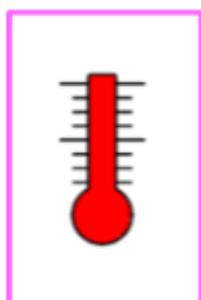
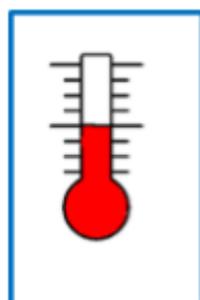
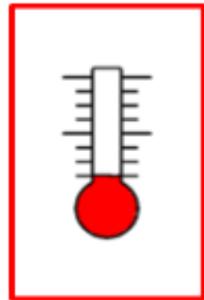
cold



hot



Place the thermometers in order from coldest to hottest.



The second set of slides uses color for differentiation and extra support for students who may need it. Mix and match slides from both sets to make the perfect set for each student.

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

- ***9 days of lesson plans***
- ***Temperature activities in color***
- ***Temperature activities in black and white***
- ***Voice-recorded PowerPoint show***
- ***What is the Weather like? book (PowerPoint) to use with activities***
- ***Read a Thermometer book (PowerPoint) to use with activities***
- ***Links and directions to digital activities***