

January At-a-Glance

Sunday

Monday

Tuesday

Wednesday

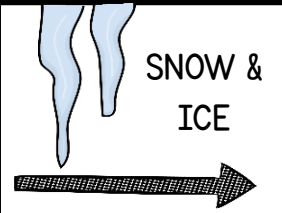
Thursday

Friday



More Science units available individually or bundled!

Vocabulary: snow, blizzard, sleet, snowflake, snow crystals, snow, snow drift, water vapor, melting, Science Skills: Earth & Space; Scientific Investigation & Reasoning
 Literacy Skills: Compare/Contrast; Comprehension; Fact & Opinion; Writing
 Math Skills: graphing, analyzing data; addition; comparing numbers; shapes
 Suggested Books: Snow (Weather Basics), Snow Falling No Time to Shovel, The Story of Snow, Snow Show, Curious About Snow?, Snow



Vocabulary: ice; ice storm; freezing rain; freezing point; frost; icicle; frozen
 Science Skills: 5 Senses; Matter & Energy; Earth & Space; Force/Motion/Energy; Scientific Investigation & Reasoning
 Literacy Skills: Compare/Contrast; Comprehension; Nonfiction Text features; Infer/Predict; Schema; Questioning;
 Math Skills: addition; comparing numbers; place value
 Suggested Books: Ice is Nice; Ice Storms; National Geographic Kids Everything Weather



THE SCIENCE OF JANUARY
 CROSS CURRICULAR LESSON PLANS

Created by: Carra Carroll & Abby Mullins

THEMATIC CONTENT INCLUDES:
 SNOW; WINTER; ICE;
 WINTER ANIMALS

WINTER
 ONE WEEK'S WORTH OF CROSS CURRICULAR LESSON PLANS & ACTIVITIES FROM THE SCIENCE OF JANUARY

WINTER ANIMALS
 ONE WEEK'S WORTH OF CROSS CURRICULAR LESSON PLANS & ACTIVITIES FROM THE SCIENCE OF JANUARY

SNOW
 ONE WEEK'S WORTH OF CROSS CURRICULAR LESSON PLANS & ACTIVITIES FROM THE SCIENCE OF JANUARY

SHOW WHAT YOU KNOW ALL ABOUT SNOW!
 BY: Abby Mullins

- 1 INVESTIGATION
- 2 SNOW HAZARDS
- 3 USES FOR SNOW
- 4 DEFINITIONS
- 5 INTERESTING FACTS

Created by: Carra Carroll & Abby Mullins

Notes & Reminders

SNOW & ICE



DAY 1: Activities

ICE OBSERVATION ACTIVITY

DAY 2: Activities

MINI-READERS

DAY 2: Activities

VOCABULARY **WRITING EXTENSION**

DAY 3: Activities

ICE COLD INVESTIGATION

DAY 3: Activities

VOCABULARY

DAY 3: Activities

ICE SKATING CRAFTIVITY

COMPARE & CONTRAST ACTIVITY

SNOW **ICE**

These mini-readers were designed to be printed front-back!

Directions (from a copiable printer)

1. Select the range of pages to print
2. Select 'Layout'
3. Turn Two-sided printing on
4. Select 'Short Edge Binding'
5. Print
6. Fold collection of sheets in half

REFLECTION

When I LOOKED Today

I learned that _____
 _____ are made when _____ water freezes.

Directions:

1. Read Materials, Challenge, and Strategy section to students
2. Have them complete the Strategy section
3. Put students into groups of 2-3
4. Instruct groups to melt the bag of ice amongst themselves
5. Time them and record times for all to see
6. Recover as a whole group once everyone has melted their ice and discuss strategies (what worked and what didn't)
7. Have students complete the second side of the activity sheet

MATH EXTENSION

Math Extension

Directions:

1. **Before project** assemble each 'ice skating rink' (Fold construction paper in half and cut out the middle, leaving a 1-inch border around the outside. Glue to fall to back.)
2. **Before project** take pictures of students posed like ice skaters. Have students cut themselves out (or you can!)
3. Students should 'skate' around their rink with the end of a pen or an eraser. Instruct them not to press too hard! Works best on top of a surface with some give (like a book).
4. Decorate skaters and add them to the rink.

DAY 3: Activities

ALTERNATE VERSION

use templates with scrapbook or construction paper legs

DAY 4: Activities

VOCABULARY: COOTIE CATCHERS

DAY 4: Activities

Mine made actual frost! Be sure to check along the bottom. If it doesn't happen for you, you'll still be able to discuss condensation. (Hint: Make sure to start with a DRY tin can!)

FROSTY THE TIN CAN OBSERVATION

DAY 4: Activities

ICE BREAKER ACTIVITY

DAY 5: Activities

VOCABULARY COMPREHENSION CHECKS

DAY 5: Activities

ICE STORM CRAFTIVITY

TRUE AND FALSE SORT ACTIVITY

TRUE AND FALSE SORT ACTIVITY

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TRUE AND FALSE SORT ACTIVITY

FROSTY THE TIN CAN?

FROSTY THE TIN CAN?

This is a fun game to play with students to break up your instruction and to come up with Fun Facts they've learned!

Directions:

1. Print off enough Ice Breaker sheets for each student to get 1/2 of the sheet when cut apart! (as shown above).
2. Make sure to cut them apart in different patterns!
3. Give each student a "piece of broken ice."
4. Instruct students to find their missing pieces by fitting together the pieces of broken ice.
5. Once they've found their ice-mates, have them each generate a different fact about ice to write on their piece of ice.
6. Add to construction paper to display once finished and share out with the class!

SHOW WHAT YOU KNOW: ICE

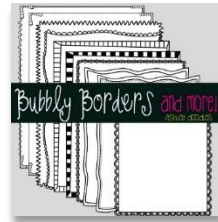
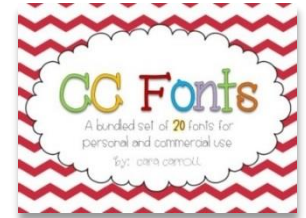
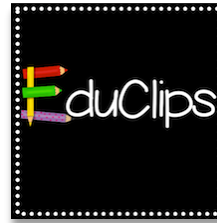
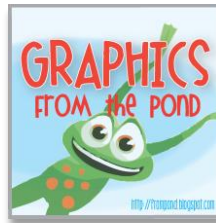
SHOW WHAT YOU KNOW: ICE

Directions:

1. Give each child 1 of each color of construction paper
2. There are 80 templates with this activity! Your students need to look at the full-size photograph and recreate it by cutting shapes from the paper. They can add detail to the branch with black marker. Afterwards, they should add glue (for ice) and sprinkles, clear or white glitter on it.



CRedITS



The fonts, clipart, and frames in this product are from these talented graphic designers/artists. Thank you for sharing your talents with us!

THANKS!

Thank you so much for purchasing our collaborative resource, The Science of SNOW & ICE! We hope you find these activities & ideas useful! **If you take any pictures in your classroom of these resources in action, please tag us on social media using the hashtag, #thescienceofjanuary.**

If you have any questions, comments, concerns, or suggestions, please feel free to email us at thefirstgradeprade@gmail.com.

We welcome & appreciate your feedback!

Don't forget to stop by our blogs & TpT Stores for more activities, ideas, resource, and freebies!



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Thanks again and happy teaching!
Cara Carroll & Abby Mullins