

# Winter: The Coldest Season of All!

Grade Level: K - 3

Content Areas: Music, Art, Science, Technology, and Language Arts

Time Frame: 50 minutes

## MATERIALS

*Winter : The Coldest Season of All!*

Blubber experiment: Bucket, Ice, 2 Ziploc Bags, Crisco

Chart Paper

Markers

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## OBJECTIVES

**Students will:**

- Develop and enrich their abilities to understand scientific concepts and processes
- Gain new information about animal hibernation

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## VOCABULARY:

### Key vocabulary

Before reading, focus on vocabulary. Read the glossary words and their definitions.

**Chilly** - Cold

**Doubt** - Not sure about something; having “no doubt” means to be sure about something.

**Forms** - Makes

**Glowing** - Giving off a low, even light

**Hibernate** - To spend winter in a deep sleep

**Plump** - Somewhat fat and round

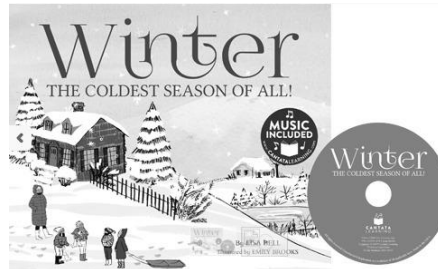
**Rosy** - Having a pink color

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## FREE SONG

[Click here](#) to download or stream the Winter: The Coldest Season of All! song.

Find other Cantata Learning songs and books at <http://www.cantatalearning.com>.



## PROCEDURES/ACTIVITIES

### Preparation:

Fill bucket with ice. Put Crisco between Ziploc bags.

Make chart to record date. Have columns for question, hypothesis, and results.

### Lesson Procedure:

1. Read *Winter: The Coldest Season of All!*.
2. Review the key vocabulary and the back of the book and make sure students know the following vocab:
  - Temperature - Degree of hotness or coldness the can be measured using a thermometer
  - Fat - The body uses fat as a fuel source, and fat is the major storage form of energy in the body.
  - Store - To bring together or collect as a supply
3. Tell students they will be conducting an experiment to see if blubber keeps their hand warm when it is in ice.
4. Review the method with students and fill out the chart for question, hypothesis and results. Ask students questions such as do you think your hand will feel cold in the blubber?
5. Have students form a class hypothesis. I think my hands will be \_\_\_\_\_. Record the classes hypothesis on the chart.
6. Conduct the experiment. Have students put one hand in blubber bag and the other in a plain Ziploc bag in the ice bucket on at a time.
7. Once all students have done the experience compare how each hand feels and if the blubber kept them warm.
8. Record the results from each student on the class chart. My hand was \_\_\_\_\_.
9. After the entire class, has completed the experiment and given their results talk about and examine the class data.
10. Ask students if their hypothesis was correct.
11. Make a chart about what was learned about hibernation and record student responses.

A wonderful place to look for inspiration and extensions to *Winter...The Coldest Season Of All* is the digital storybook we created in 2015 with over 250 schools around the world.

You can see this digital storybook [Winter Around The World](#) here.

### **Art Extension:**

One art activity that would be perfect for this book is [Paper Roll Snowmen](#). As they are singing and reading *Winter...The Coldest Season of All*, the students could use their snowmen to act it out...even in a puppet show would be fun!

As another art extension to this book and song, have students create winter scenes of what their winter looks like. They can focus on winter around them or even their very favorite winter activity. At the bottom of their page, have them write about their scene too. You could put these pictures together in a collaborative storybook to read, sing and share.

### **Technology Extension:**

There are several online tools to create snowflakes, wintery scenes and snowmen. You will find them in the [Winter and Snow Fun Symbaloo](#).

The one above even lets students code their very own snowflake! You will find it [here](#).

Once they have created digital snowflakes with a variety of digital tools, you could grab a picture of each with a camera or screenshot. Then you can put these together in another digital tool or app such as [Adobe Spark Video](#) or [Buncee](#) to showcase the individuality of the wintery scenes. And with the availability of [Winter...The Coldest Season of All story and song available online](#) to be downloaded, this can be included in the digital story too.

The winter art they created could also be used to create a digital story using these tools too.

### **PE Extension:**

As a PE extension, students can play Snow Day Tag, a fun tag game where students share what they would do on a snow day with their friends. This can be found on [Carly's PE Games](#) here. As they are playing tag, turn on *Winter...The Coldest Season of All* too.

### **Standards:**

Kindergarten: CCSS.ELA-Literacy.RI.K.1, CCSS.ELA-Literacy.RI.K.3, CCSS.ELA-Literacy.RI.K.7

First Grade: CCSS.ELA-Literacy.RI.1.1, CCSS.ELA-Literacy.RI.1.3, CCSS.ELA-Literacy.RI.1.7

Second Grade: CCSS.ELA-Literacy.RI.2.1, CCSS.ELA-Literacy.RI.2.3, CCSS.ELA-Literacy.RI.2.7

Third Grade: CCSS.ELA-Literacy.RI.3.1, CCSS.ELA-Literacy.RI.3.3, CCSS.ELA-Literacy.RI.3.7

