

**Collaborative Unit Plan
Forest Lake Elementary Technology Magnet School**

Content Area: Science - Seasons: Winter

Grade Level: K

Length of Unit: 1 month

Standards to be addressed:

K-1 The student will demonstrate an understanding of scientific inquiry, including the processes, skills, and mathematical thinking necessary to conduct a simple scientific investigation.

K-4 The student will demonstrate an understanding of seasonal weather changes. (Earth Science)

Indicators

K-1.1 Identify observed objects or events by using the senses.

K-1.2 Use tools (including magnifiers and eyedroppers) safely, accurately, and appropriately when gathering specific data.

K-1.3 Predict and explain information or events based on observation or previous experience.

K-1.4 Compare objects by using nonstandard units of measurement.

K-1.5 Use appropriate safety procedures when conducting investigations.

K-4.1 Identify weather changes that occur from day to day.

K-4.2 Compare the weather patterns that occur from season to season.

K-4.3 Summarize ways that the seasons affect plants and animals.

Pre-Assessment Methods to be used: (Highlight those that are appropriate)

Readiness	KWL	Self-Evaluation	Inventories	Learning Profile
Fist to Five	MAP-math	Squaring off	Student interest	Multiple intelligence survey
Graphing	MAP-reading	Thumbs up/down	Interest inventory	Other:
Pre-test	DIBELS/DRA	Yes/No card		Observation

Big 6 Format Yes, No (If yes, attach plan)

Being There Experience: Hall displays, nature walks, observing plants/trees around our school and homes, dressing for the weather

Responsibilities of Classroom teacher:

Observe weather standards and graph conditions.

Identify characteristics of the seasons.

Read literature and teach songs related to the seasons.

Identifying animals of the polar region.

Identifying animals that hibernate.

Responsibilities of ITS:

Research and identify websites that relate to autumn seasonal changes.

Research and identify SmartBoard activities that relate to the seasons.



Websites: http://elementary.nettrekker.com-redirector-link_id=284401 Reading Rainbow: Build a Snowman PBS Kids Scholastic.com Authors and Books Seasons The Mitten Winter Storms	Bookflix video: Snowy Day by Ezra Jack Keats and Snowy Winter Days by Katie Marsico				
Responsibilities of LMS: Pull all books related to winter, polar animals, penguins, and hibernation. Prepare and implement lessons on seasons of winter.					
Resource Speakers:	Field Studies (in and out of school)				
Literary Correlations: KIT E Bor Caps, Hats, Socks and Mittens KIT E Lio A Busy Year KIT E Sen Chicken Soup With Rice BB 574.5 Ber Four Seasons VHS 394.2 Holidays and Seasons Winter 811.008 Winter Poems E Geo Dear Rebecca, Winter Is Here - George					
Strategies used within the unit: (Put topics by strategies used.)					
Acceleration	Independent	Learning contracts	Multiple intelligences	Student choice	Varied materials
Anchor activities	Jigsaw	Learning stations	Orbital studies	Taped material	Varied tasks
Compacting	Large group	Literature circles	Small group	Tiered lesson	Visual organizers
Webquests	Others:				
Technology Components SmartBoard Activities Digital cameras					



Websites					
Project: Class Book					
Final assessments used: (highlight those used)					
Chapter tests	Exit cards	Portfolio review	Rotation	Talking topics	Wraparounds
Conversation circles	Performance tasks	Reflection gallery	Rubrics	Unit test	Other: Checklist Informal Observation
Integration into other subject areas: See NES Integration Wheel					
Evaluation of collaborative efforts: How well were the standards met?					
What impact did information literacy have on this unit or lesson?					
How well did the library resource collection support the objectives of this unit? Scale: 5=Excellent 4=above average 3=average 2=below average 1=poor					
Suggestions for improvement:					
Materials or technology needed to repeat lesson:					

