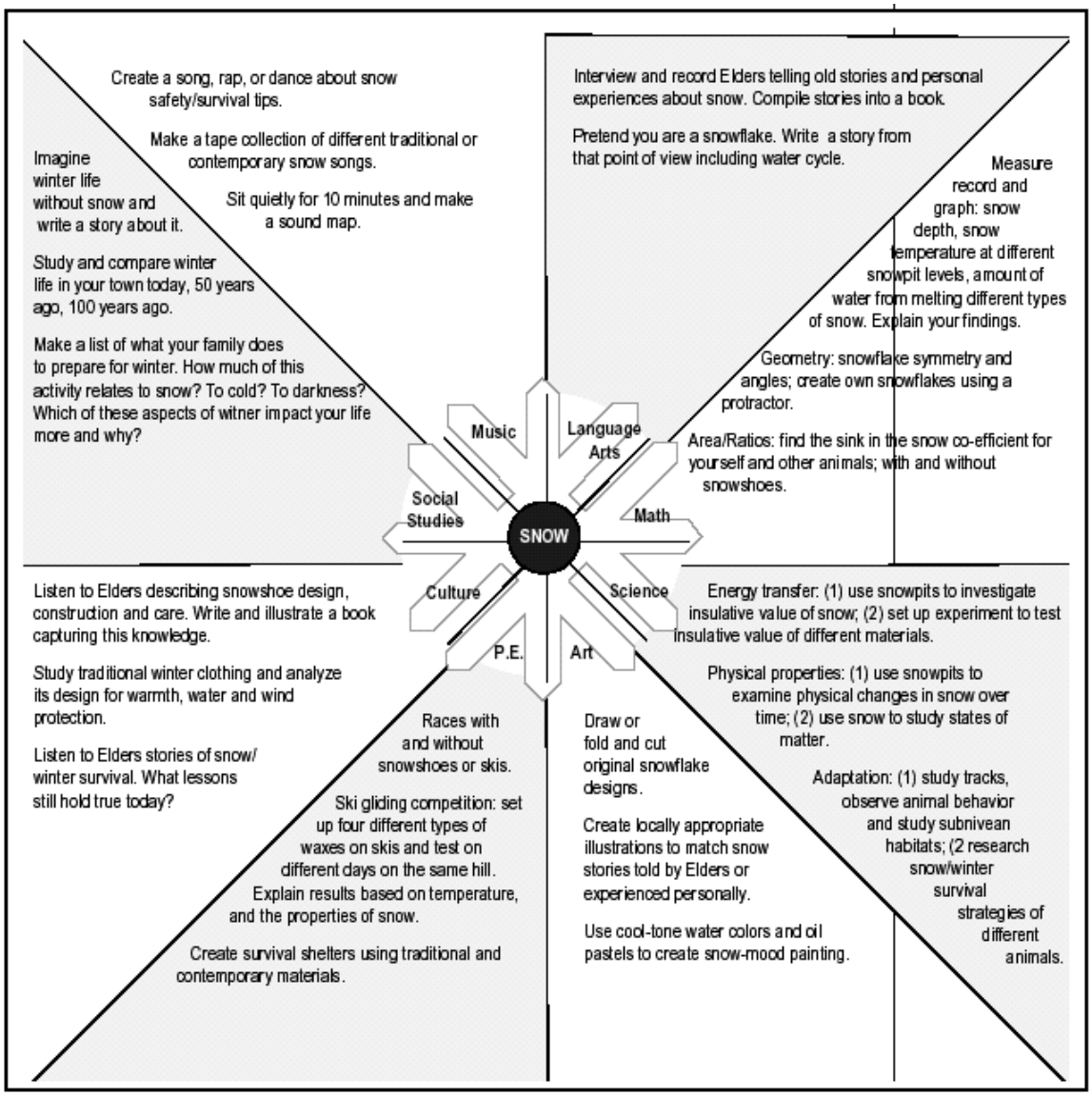
SNOW
Music
Language Arts
Math
Science
Art
P.E.
Culture
Social Studies
Create a song, rap, or dance about snow safety/survival tips.
Make a tape collection of different traditional or contemporary snow songs.
Sit quietly for 10 minutes and make a sound map.
Imagine winter life without snow and write a story about it.
Study and compare winter life in your town today, 50 years ago, 100 years ago.
Make a list of what your family does to prepare for winter. How much of this activity relates to snow? To cold? To darkness? Which of these aspects of witner impact your life more and why?
Interview and record Elders telling old stories and personal experiences about snow. Compile stories into a book.
Pretend you are a snowflake. Write a story from that point of view including water cycle.
Measure record and graph: snow depth, snow temperature at different snowpit levels, amount of water from melting different types of snow. Explain your findings.
Geometry: snowflake symmetry and angles; create own snowflakes using a protractor.
Area/Ratios: find the sink in the snow co-efficient for yourself and other animals; with and without snowshoes.
Listen to Elders describing snowshoe design, construction and care. Write and illustrate a book capturing this knowledge.
Study traditional winter clothing and analyze its design for warmth, water and wind protection.
Listen to Elders stories of snow/ winter survival. What lessons still hold true today?
Energy transfer: (1) use snowpits to investigate insulative value of snow; (2) set up experiment to test insulative value of different materials.
Physical properties: (1) use snowpits to examine physical changes in snow over time; (2) use snow to study states of matter.
Adaptation: (1) study tracks, observe animal behavior and study subnivean habitats; (2 research snow/winter survival strategies of different animals.
Races with and without snowshoes or skis.
Ski gliding competition: set up four different types of waxes on skis and test on different days on the same hill. Explain results based on temperature, and the properties of snow.
Create survival shelters using traditional and contemporary materials.
Draw or fold and cut original snowflake designs.
Create locally appropriate illustrations to match snow stories told by Elders or experienced personally.
Use cool-tone water colors and oil pastels to create snow-mood painting.