


Snow Science Patch

Daisies and Brownies complete 3 activities, Juniors and up complete 4 to earn your Snow Science Patch!




Snow Chemistry—Become a food scientist by creating snacks from snow! Use these recipes to create your own snow ice cream or molasses candy.

<http://happyhooligans.ca/3-ingredient-delicious-vanilla-snow-ice-cream/>

<http://happyhooligans.ca/make-maple-syrup-snow-candy-3-simple-steps/>

Snow Structure—Go outside when its cold to blow bubbles and watch how crystals form as they freeze! What shape are the crystals? How are the crystals forming? Or, watch crystals grow by creating your own snowflake ornaments. Use borax, string and hot water to watch crystals grow before your eyes! Learn how to make snowflake ornaments here:

<http://chemistry.about.com/cs/howtos/ht/boraxsnowflake.htm>




Snow Physiology—Learn to take your pulse and try a snow activity such as snowshoeing, skiing, sledding or ice skating! What happens to your heart rate when you go fast? When you go slow?

Snowy Animals—Brr, its cold outside! But not for some Alaskan animals! Learn how animals stay warm in the winter and how some use the snow to stay warm. Identify animal tracks and become an Animal Detective in your own backyard! Use this guide from the Alaska Dept. of Fish and Game to help you become a better animal tracker:


https://www.adfg.alaska.gov/static/education/educators/pdfs/wild_wonders_issue2.pdf

Snow Engineering—Create snow structures to test the strength of snow. Build a snow bridge, a tall snow man or a snow castle! Use your imagination and become a snow engineer and test its strength.



Snow Experimentation—Be a snow scientist and design your own experiment involving snow or ice! Try making a hypothesis, experimenting, and analyzing your results.

*Websites are just suggested resources. You may use other sources you find.





Snow Science Patch Order Form



Level: Daisy Brownie Junior Cadet Senior Ambassador

Troop # _____ Troop Leader/Adult _____

Mailing Address:

City: _____ State: _____ Zip: _____



Phone: _____ E-Mail: _____

1. Which requirements did the girls complete?



2. What did the girls like the most about their snow science experience?



Names of girls who participated

3. What did girls learn from these activities?



4. Please send a photo of girls if possible!

___ # of patches (\$1.50 each) Total \$ _____

Select Delivery Method

___ Mail (+\$1.50 Shipping) ___ Pick-up at Anchorage Office

___ Check ___ Cash ___ Visa ___ MasterCard ___ Discover

Printed Name _____ Card # _____

Exp. Date _____ Billing Zip Code _____ CVV _____

Signature _____



Submit your patch order form to Kelly FitzGerald at 3911 Turnagain Blvd E. Anchorage, AK 99517 or Fax 907-243-4819. Questions? Contact Kelly FitzGerald at kfitzgerald@girlscoutsalaska.org

