



SnowSchool at Home Wrap-Up (6th-12th Grade)

Directions: Fill out this worksheet using your SnowSchool Journal for reference. You can print this worksheet out or just write your answers on a piece of paper.

Mail your answers to:

WWA SnowSchool Program
910 Main Street, Suite 235
Boise ID, 83702

Name and Grade:

Mailing Address (So we can mail you your prize):

“Week 1: How much water is in our snow?”

Record your observations and findings of your Snow Water Equivalent experiment. If you calculated water content (density) and snow water equivalent (SWE) share your calculations with us.

“Week 2: What do snow crystals look like?”

Draw a picture of one of the snow crystals you observed throughout the winter. What were the atmospheric conditions under which this crystal formed based on the [Snowflake Morphology graph](#)?

“Week 3: In which watershed do you live?”

In which watershed do you live? When snow melts in your community, where does it go (can you name one large body of water that is downstream from you)?

“Week 4: What animal made these tracks?”

Draw one set of tracks you observed this winter. Share your animal tracking interpretation story with us.

“Week 5: How much snow will we get?”

How does the snow depth in the mountains on average compare to the snow depth you measured at home? Why is there a difference?

“Week 6: How do you become a snow scientist?”

Where did you take your snow depth measurements? Record the snow depths you measured and calculate the average depth of snow in that specific location.

“Week 7: How do you make and/or use snowshoes?”

Describe what you experienced when making and/or using snowshoes.

“Week 8: How do you make a snow shelter?”

Draw a picture of the snow shelter you made. What type of shelter was it? Share any observations you recorded while inside your shelter.

“Week 9: Why does snow slide?”

6th-8th Grade: What did you learn about snow through doing the Shovel Shear test?

9th-12th Grade: Did you see snow slide off of any roofs? What were the conditions and what was the angle?

“Week 10: What are the sounds of winter?”

Draw a picture to represent your favorite sound recorded on your sound map. In what ways is sound important to an animal’s survival?

“Week 11: How cold is the snowpack?”

Write down the depth of each spot where you took the temperature (and what the temperature was at those spots). Where was it warmest? Come up with a theory to explain the temperature phenomenon you observed.

“Week 12: What is the simplest snow science tool?”

How many different layers did you find using the NASA SnowEX Hardness Test? What was the hardest layer of snow you found?

“Week 13: How is climate change impacting snow?”

Including the control plot (snow with no dust) record how long it took each plot to melt. Why should we care about studying this phenomena? (i.e. who or what would this affect)?

FINAL QUESTION: What was your favorite SnowSchool at Home activity and why?