Snow Packet: Integrated Science w/ Mr. Snodgrass

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1. This packet contains 4 days of work.

   Day 1: On-Demand: Letter to school board

   Day 2: On-Demand: Letter on rainforests

   Day 3: TCT--Dissolving M&M's Part A

   Day 4: TCT-- Dissolving M&M's Part B

2. Work is due the day you return to school

*It's a good idea to not work on these ahead of time.

On-Demand Writing
Science

Directions: Read the following situation. Then read the writing task. You have 40 minutes to write a well developed response to the task.

SITUATION: Your school system is considering a decrease in funding for all departments. This decrease will possibly eliminate the funding to conduct laboratory experiments in all science classes.

WRITING SITUATION: Your teachers have asked that students contact the school board. Write a **letter** to your local **school board**, **explaining** to the members the benefits of laboratory experiments in the science classroom.

Science On-Demand Prompt:

Writing situation:

In the last century, the world's population has more than tripled and is expected to keep growing at an exponential rate. Due to the increase in the human population, there has been an increase in the destruction of the world's rainforests, whether for wood products or space. They are currently being depleted at a rate of 80 acres per minute. However, rainforests are vital to our survival as a species for various reasons and conservation of these areas has become a major priority.

Writing Directions:

Write a commentary for your local newspaper convincing the citizens of your town on the need for rainforest conservation. In your commentary, discuss the importance of these ecosystems to our everyday life.

+.5.

Name_____ Date_____ Period_____

TCT -- Dissolving M & M's

Part A: Making Observations

Your teacher has 3 different cups. In each cup is 30 mL of water and an m & m of the same color. There are three different temperatures of water. Create a data table to record qualitative data about what is happening in each cup -- look carefully for differences!

Data Table:

Part B: Constructing Explanations --

A. Analyze your data to predict which cup had hot water, which had cold water and which had room temperature water.

b. Based on your knowledge of particle motion and temperature, use your data to explain the cause for the different rates of dissolving. Diagrams or drawings can be included to help with your explanation.