










February At-a-Glance

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
 LIGHT SCIENCE 	<p>Vocabulary: light, opaque, ray, reflection, shadow, refraction, transparent, translucent</p> <p>Science Skills: Force, Motion, & Energy; Scientific Investigation & Reasoning</p> <p>Literacy Skills: Compare/Contrast; Comprehension; Writing; Idioms</p> <p>Math Skills: related facts, addition, subtraction; comparing numbers; mixed operations</p> <p>Suggested Books: The Biggest & Brightest Light</p>				
 THE HUMAN HEART 	<p>Vocabulary: heart; atria; ventricles; numbers; series; irregular; check</p> <p>Science Skills: 5 Senses; Matter; Motion/Energy; Scientific Investigation & Reasoning</p> <p>Literacy Skills: Comprehension; Schema; Blending & Segmenting; Classify & Categorize; Similes; Parts of Speech; Labeling; Fact & Opinion; Expository Writing</p> <p>Math Skills: addition/subtraction; comparing numbers; place value; word problems; counting; composing & decomposing;</p> <p>Suggested Books: How Does Your Heart Work?; Hear Your Heart; The Magic School Bus Has a Heart; The Day it Rained Hearts; My Heart is Like a Zoo; The Heart- All About Our Circulatory System</p>				
 CANDY SCIENCE 	<p>Vocabulary: freezing; atom; matter; physical properties; physical changes; five senses; taste buds; molecules; solution; dissolve; saturated; solute; solvent; tongue; papillae; microvilli; olfactory receptors</p> <p>Science Skills: 5 Senses; Matter & Energy; Force & Motion; Scientific Investigation & Reasoning</p> <p>Literacy Skills: Compare/Contrast; Comprehension; Schema; Predict & Infer; Expository Writing; Drawing Conclusions; Fact & Opinion</p> <p>Math Skills: graphing/surveys; comparing numbers; addition/subtraction</p> <p>Suggested Books: The Sugary Secrets Behind Candy</p>				
 DENTAL HEALTH SCIENCE 	<p>oral hygiene; cavity</p> <p>Schema; 00 spelling pattern; Expository Writing;</p> <p>Math Book; George W</p> <p>ent letter on we</p>				
<p>Notes & Reminders</p>	 <p>THE SCIENCE OF FEBRUARY CROSS-CURRICULAR LESSON PLANS</p> <p>THEMATIC CONTENT INCLUDES: LIGHT, HUMAN HEART, CANDY, DENTAL HEALTH</p> <p>Created by: Corci Carroll & Abby Mullins</p>				

CANDY SCIENCE



DAY 1: Activities



WHAT'S IN THE BAG? ACTIVITY

VOCABULARY



EXTENSION

REFLECTION

DAY 1: Activities

VOCABULARY



There are 16 total vocabulary words included in this set since it was difficult to limit the vocabulary to 8 words. You do not need to use all 16 words every day, but you can. Or, just go over the needed vocabulary depending on the activity. Totally up to you!

REFLECTIONS

There are two different reflection templates. One can be used in a science notebook, and the other is a small book. Use one or both!



DAY 1: Activities

IT'S IN THE BAG!



Materials: 5 different candies of various sizes and weights, 5 paper bags, physical properties definition poster, activity sheets, ruler, scale

Objective: For students to explore physical properties of an object



- Procedure:**
1. Divide students into groups. Each group receives a bag with candy inside. Together, they will observe the item and record their findings on the Candy Conclusions page.
 2. After all groups have completed their investigation, meet as a group. Have one person from each group describe the physical properties of their candy to the entire group.
 3. As observations are given, students will record what they guess the candy is on the labels in the bag's sheet.
 4. To make this easier (since the candy possibilities are endless) you can reveal the candies they have to choose from before guessing.

DAY 2: Activities



VOCABULARY



EXTENSION



COTTON CANDY CONJECTURES

DAY 2: Activities

VOCABU-CANDY



Write vocabulary terms on "Shockable" cards. Assemble wrapper and paste into notebook.



LOLLIPOP GLYPH DATA COLLECTION & ANALYSIS

DAY 2: Activities

COTTON CANDY CONCLUSIONS



Materials: cotton candy, water, cup, spoon (FYI: The Dollar Tree carries cotton candy), activity sheets, physical change poster

Objective: to conduct an experiment to see what happens when cotton candy and water meet, observe a physical change

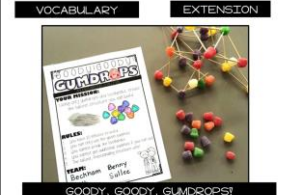
- Procedure:**
1. Complete Observation, Hypothesis, and Materials section of Cotton Candy Conclusions activity sheet
 2. Discuss physical change, solution, solvent, solute, dissolve
 3. Add cotton candy to water and observe what happens. (This is actually pretty cool. Your students will probably want to see it more than once, so be sure to plan for multiple demonstrations!)
 4. Complete activity sheet
 5. You can extend this activity by showing students how to saturate a solution - continue adding cotton candy to water until it will no longer dissolve!

DAY 3: Activities



VOCABULARY

EXTENSION



GOODY, GOODY, GUMDROPS!

DAY 3: Activities

CANDY QUIZ

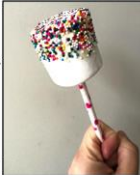


Cut and laminate the vocabulary gumdrops. Select a gumdrop and have students provide the matching word or definition.

HOW TO MAKE A MARSHMALLOW POP

MATERIALS: large marshmallows, corn syrup, clean paint brush, sprinkles, straws

- PROCEDURE:** (Teacher led demonstration then allow students to make their own)
1. Take a straw into the center of a marshmallow.
 2. Paint the bottom half with corn syrup.
 3. Dip in sprinkles.
 4. Allow to sit for 20 minutes to set (if you can wait that long).
 5. Have students make them.
 6. Complete How-To writing activity - 2 types of writing paper to choose from



DAY 3: Activities

GOODY, GOODY, GUMDROPS!



MATERIALS: 1 package of gumdrops and at least 100 toothpicks per group of students, activity sheets

PROCEDURE: Follow the directions details in the Goody, Goody, Gumdrops! activity sheet

DAY 4: Activities

VOCABULARY GUMDROPS



Choose vocabulary words to add to the front of the Vocabulary Gumdrops. Illustrate or define the term underneath.

EXTENSION



After letting students sample a sweet and a sour candy, take a poll and record the results!

DAY 4: Activities

MYTH BUSTERS



MATERIALS: sugar, water, salt, lemon juice, tonic water, tongue graphic, cups, q-tips

PROCEDURE: follow directions detailed in activity sheet

DAY 5: Activities



FOCUS TEXT

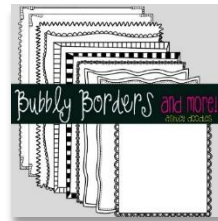
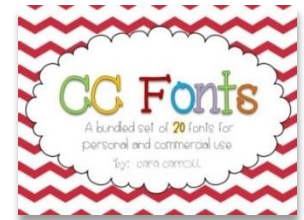
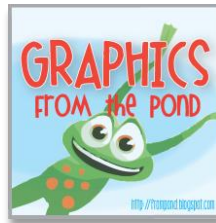


FLIP-FLAP BOOK

EXTENSION



CRedITS



The fonts, clipart, and frames in this product are from these talented graphic designers/artists. Thank you for sharing your talents with us!

THANKS!

Thank you so much for purchasing our collaborative resource, The Science of CANDY! We hope you find these activities & ideas useful! **If you take any pictures in your classroom of these resources in action, please tag us on social media using the hashtag, #thescienceoffebruary.**

If you have any questions, comments, concerns, or suggestions, please feel free to email us at thefirstgradeprade@gmail.com.

We welcome & appreciate your feedback!

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Thanks again and happy teaching!
Cara Carroll & Abby Mullins