Washington Township School District							
STEM/Makerspace Curriculum							
Grade:	5	Mystery Science Lab One: Chemical Magic Dental Unit/Project Title: STEM: Hygiene Eggxperiment					
NJ Learning Standard(s):	5-PS1-2						
Objective:		 SWBAT: Compare and contrast different sugary drinks and their effects on teeth Evaluate how proper dental care can help prevent tooth decay 					
STEM/ Unit Activities		Dental Hygiene Eggxperiment - *Note: This activity can also be done with deer teeth and/or animal bones.					
Suggested Assessments:		 Worksheets Project notes/discussions Project Rubric Unit Test 					
Supplies Needed:		Materials for each group (for a class of 30, working in groups of 5): 3eggs 3cups 1 can of Coca-Cola 1 can of Hi-C Water 3 beakers for measuring 200 mL of liquid and putting the eggs into Scale for weighing eggs Permanent marker Tweezers Gloves Student Eggxperiment Lab SHEET (Teacher created & Shared)					
		Extension: You can extend the lab for higher-level students by adding a segment about toothbrush and					
Support Unit:		toothpaste, which demonstrates the beneficial effects of brushing your teeth.					

		https://www.drugabus	e.gov/sites/default/files/files/Busboom.pdf			
Washington Township School District						
STEM/Makerspace Curriculum						
Grade:	5	Mystery Science Unit/Project Title:	Mystery Science: Chemical Magic Lab Three STEM: Density of Liquids			
NJ Learning Standard(s):	5-PS1-3					
Objective:		 SWBAT: Compare and contrast the density of liquids Analyze how density of liquids can be beneficial in chemical engineering, and elsewhere 				
STEM/ Unit Activities		Students will evaluate how the change in density within liquids can effect a solid in a surprising way.				
Suggested Assessments:		 Lab Packet Lab Work Unit Test 				
Supplies Needed:		 Liquid Materials, 1.5 to 3.5 oz (50 to 100 ml) of each: Honey, Corn Syrup, 100% Maple Syrup, Whole Milk, Dish Soap, Water, Vegetable Oil, Rubbing Alcohol, Lamp Oil Other Materials: 1 Quart (1L) container – tall, narrow, clear, 9, 4 oz (118 ml) plastic cups, Turkey baster, Food coloring, Metal bolt, Popcorn kernel, Board game die, Cherry tomato, Plastic beads Plastic soda cap 				
Resources to Support Unit:		https://www.stevespanglerscience.com/lab/experiments/density-tower-magic-with-science/ Simple extension activity: http://inspirationlaboratories.com/layering-liquids-density-experiment/				

