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I'm glad you're using this resource. Continue to check our website (realsciencechallenge.com) to find more resources. And, sign up for our newsletter to receive updates on materials that will be available soon.

I spend countless hours writing, researching, editing and generating graphics/charts for each question. I want to continue creating useful content for you to use - however, I also want to ensure my work is fairly compensated.

Therefore, below are the terms and conditions for use of our materials.

What is allowed:

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- copying our questions into your tests or assignments. Please give credit in this case.

What is not allowed:

- Selling our content.
- Repackaging our content in your own materials and then selling it. NOTE: giving credit to us still does not make this okay.
- Distributing and/or posting our content online (for example, on social media or a blog).

Thank you for supporting us. And, we look forward to helping you with your teaching practice. Please feel free to reach out to us if you have any questions or suggestions.

Sincerely,

Kent
REAL Science Challenge Founder
Science Department Head (Burnaby South Secondary)

Contact Kent at realsciencechallenge@gmail.com
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TEMPLATE (NGSS CURRICULUM)

UNIT: _____

List of NGSS Science and Engineering Practices

1. Asking Questions and Defining Problems
2. Developing and Using Models
3. Planning and Carrying Out Investigations
4. Analyzing and Interpreting Data
5. Using Mathematical and Computational Thinking
6. Constructing Explanations and Designing Solutions
7. Engaging in Argument from Evidence
8. Obtaining, Evaluating, and Communicating Information

	SCIENCE AND ENGINEERING PRACTICES (SEP)							
	SEP 1	SEP 2	SEP 3	SEP 4	SEP 5	SEP 6	SEP 7	SEP 8

TEMPLATE (BC CURRICULUM)

UNIT: _____

	CURRICULAR COMPETENCIES					
	Question & Predict	Plan & Conduct	Process & Analyze	Evaluate	Apply & Innovate	Communicate

SAMPLE VISUALIZATION - END OF CHEMISTRY UNIT, SCIENCE 9/10

CHEMISTRY					
	Question & Predict	Plan & Conduct	Process & Analyze	Eval, Apply & Innov	Communicate
Qz 1 - Atomic Structure, Periodic Table			<i>Atomic Structure Table, Bohr Diagrams</i>	<i>Periodic Table of Drinks</i>	
Qz 2 - Compounds & Equations			<i>Writing and Naming Compounds</i>	<i>Case Study: Manganese compound</i>	<i>Case Study: "Kentluium"</i>
Qz 3 - Types of Reactions		<i>Case Study: Storage of Hydrochloric Acid</i>	<i>Balancing & Identifying Reactions</i>		
Qz 4 - Rates, Endo/Exo Rxns			<i>Case Based Scenarios</i>	<i>Dynamite: Energy Graph Analysis</i>	<i>Hydrogen Production: CER</i>
Qz 5 - Acids and Bases			<i>Indicator and pH Analysis, Naming and Writing Acids</i>		
Project - Bath Bombs		<i>Making and Testing Multiple Prototypes</i>		<i>Meeting the goal (15s to fill a 250mL graduated cylinder)</i>	

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