**Topic 1: Science Skills**

What is a hypothesis?

What are variables?

Observations & inferences?

**Topic 2: Graphing**

How do you make a perfect graph?

What are all the parts to a graph?

Include an example.

**Topic 3: Science Safety & Equipment**

What are 8 safety rules for the science lab? What equipment do you use? (list at least 10).

**Topic 4: Particle Model of Matter**

What is the particle model of matter?

List all 5 points & include visuals.

**Topic 5: States of Matter**

What are the 3 states of matter?

Include visuals and examples.

**Topic 6: Changing States**

What are the states called?

What happens? Include a visual.

**Topic 7: Classification of Matter**

How do you classify matter?

Include examples and a chart.

**Topic 8: Dissolving**

What is dissolving?

What happens?

Include a picture & example.

**Topic 9: Solubility**

What is solubility?

What happens?

Include a picture & example.

**Topic 10: Concentration**

What is concentration?

What is the formula?

Include a visual & example.

**Topic 11: Separating Mixtures**

What are the different ways you can separate mixtures?

Include pictures & examples.

**Topic 12: Flow Rate**

What is flow rate?

What is the formula?

What are some examples?

**Topic 13: Viscosity**

What is viscosity?

How is it different in different states?

Include examples & visuals.

**Topic 14: Density**

What is density?

What is the formula?

Include examples & visuals.

**Topic 15: Buoyancy**

What is buoyancy?

What are the 3 types?

What is Archimedes’ principle?