

Teacher Name: M.Dougherty

Grade Level: K-3

Class: Science

2024-25 GVCS CURRICULUM MAP

Month	Standard/Learning Target Science	Program Materials/Resources	Vocabulary	Assessment	Writing
<i>September K</i>	Plan and conduct an investigation to test the claim that different kinds of matter exist as either solid or liquid, depending on temperature.	Superflex	Matter Solid Liquid Temperature Investigation	Daily review Exit tickets Quiz	What is solid matter... What is liquid matter.. Paper.
<i>October K</i>	Plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object.	Superflex	Push Pull Investigation Same Difference	Daily review Exit tickets Quiz	What happens if you push? What happened when you pulled? Paper
<i>November K</i>	Analyze data to determine if a design solution works as intended to change the speed or direction of an object with a push or pull.	Superflex	Speed Push Pull Direction	Daily review Exit tickets Quiz	What worked better push or pull? Paper
<i>December K</i>	Use observations to describe patterns of what plants and animals (including humans) need to survive.	Superflex	Observations Plants Animals Food Water Shelter	Daily review Exit tickets Quiz	What do you need to survive? Paper

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<i>January K</i>	Construct an argument supported by evidence for how plants and animals (including humans) can change the environment to meet their needs.	Superflex	Plants Animals Environment Argument	Daily review Exit tickets Check in.	What needs to change in the environment for a plant to survive? Paper
<i>February K</i>	Use a model to represent the relationship between the needs of different plants and animals (including humans) and the places they live	Superflex	Environment Plants Animals Relationships Live	Daily review Exit tickets Quiz	What does an animal need to survive in the environment? Paper
<i>March K</i>	Use and share observations of local weather conditions to describe patterns over time.	Superflex	Observation Weather Rain Snow Sunshine Cloudy	Daily review Exit tickets Quiz	What does the sky look like today? Paper
<i>April K</i>	Ask questions to obtain information about the purpose of weather forecasting to prepare for and respond to severe weather.	Superflex	Weather Forecasting Severe Respond	Daily review Exit tickets Check in.	Why do we need to know about the weather? Paper
<i>May K</i>	Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.	Superflex	Questions Design Engineering Tools	Daily review Exit tickets	What tool do you want to make? Paper

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<i>June K</i>	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.	Superflex	Draw Model Objects Shape Function	Daily review Exit tickets Quiz	Why did you draw that picture? Paper
<i>September 1</i>	Plan and conduct investigations to provide evidence that vibrating materials can make sound and that sound can make materials vibrate.	Superflex	Waves Light Sound Investigations Materials Vibrate	Daily review Exit tickets Check in	What can make a sound? Paper
<i>October 1</i>	Make observations (firsthand or from media) to construct an evidence-based account that objects can be seen only when illuminated.	Superflex	Observation Media Illuminated	Daily review Exit tickets	What did you observe? Paper
<i>November 1</i>	Plan and conduct an investigation to determine the effect of placing objects made with different materials in the path of a beam of light.	Superflex	Beam of light Objects Investigation	Daily review Exit tickets Quiz	What did your material make in the light? Paper
<i>December 1</i>	Use materials to design a solution to a human problem by mimicking how plants and/ or animals use their external parts to help them survive, grow, and meet their needs.	Superflex	Solution Survive Grow Materials	Daily review Exit tickets	How can you grow? Paper

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<i>January 1</i>	Read texts and use media to determine patterns in behavior of parents and offspring to help offspring to survive.	Superflex	Behavior Patterns Structure Function	Daily review Exit tickets	What pattern do you see? Paper
<i>February 1</i>	Make observations to construct an evidence-based account that some young plants and animals are similar to. But not exactly like, their parents.	Superflex	Similar Plants Animals	Daily review Exit tickets	Does a young animal look like its mother? Paper
<i>March 1</i>	Use observations of the Sun, Moon, and Stars to describe patterns that can be predicted.	Superflex	Observe Sun Moon Stars Predicted	Daily review Exit tickets	What can you see in the sky at night? Paper
<i>April 1</i>	Make observations at different times of the year to relate the amount of daylight to the time of year.	Superflex	Sun Moon Stars Observations January-December	Daily review Exit tickets	What do you see in the sky? Paper
<i>May 1</i>	Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.	Superflex	Object Tool Observations Engineering	Daily review Exit tickets Quiz	What tool can you use? Paper
<i>June 1</i>	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as	Superflex	Drawing Shape Function	Daily review Exit tickets	Why did you draw that picture? Paper

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	needed to solve a given problem.				
<i>September 2</i>	Plan and conduct and investigation to describe and classify different kinds of materials by their observable properties.	Superflex	Investigation Materials Properties	Daily review Exit tickets	What material did you choose? Paper
<i>October 2</i>	Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose.	Superflex	Materials Properties Structure Data	Daily review Exit tickets Quiz	What did your data tell you? Paper
<i>November 2</i>	Plan and conduct an investigation to determine if plants need sunlight and water to grow.	Superflex	Investigation Plants Water	Daily review Exit tickets	Did the plant need sunlight? Paper
<i>December 2</i>	Develop a simple model that illustrates how plants and animals depend on each other for survival.	Superflex	Plants Animals Survival Illustrate	Daily review Exit tickets	Why did you make that model for survival? Paper
<i>January 2</i>	Use information from several sources provided evidence that Earth events can occur quickly or slowly.	Superflex	Quickly slowly Earth	Daily review Exit tickets	What events occur quickly? Paper
<i>February 2</i>	Compare multiple solutions designed to slow or prevent wind or water from changing the shape of the land.	Superflex	Wind Water Shape Change Land	Daily review Exit tickets	What can change shape because of wind? Paper
<i>March 2</i>	Develop a model or represent the shapes and	Superflex	Water Shape Bodies of water	Daily review Exit tickets	Why was your model cool? Paper

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	kinds of land and bodies of water in an area.				
<i>April 2</i>	Ask questions, make observations, and gather information about a situation people want to change to define a simple of problem that can be solved through the development of a new or improved object or tool.	Superflex	Observations Object Tools	Daily review Exit tickets	What questions did you ask to make a better tool? Paper
<i>May 2</i>	Develop a simple sketch, or drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.	Superflex	Different shapes Square Rectangle Circle Triangle	Daily review Exit tickets Quiz	What did your model look like?
<i>June 2</i>	Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs.	Superflex	Strengths Weaknesses Compare design	Daily review Exit tickets	How did your design perform? Paper
<i>September 3</i>	Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object.	Superflex	Conduct Plan Investigation Evidence Balanced Unbalanced object	Daily review Exit tickets Quiz	How did you create a plan? Paper
<i>October 3</i>	Make observations and/or measurements of an object's motion to provide	Superflex	Motion Observation Predict	Daily review Exit tickets	What did you predict? Paper

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	evidence that a pattern can be used to predict future motion.				
<i>November 3</i>	Construct an argument that some animals form groups that help members survive.	Superflex	Animals Survive Argument Construct	Daily review Exit tickets Quiz	What animals can survive in the arctic grouping together? Paper
<i>December 3</i>	Analyze and interpret data from fossils to provide evidence of the organisms and the environment in which they lived long ago.	Superflex	Analyze Interpret Fossils Organisms Environment Dinosaurs	Daily review Exit tickets Check in	What is a fossil? Paper
<i>January 3</i>	Develop models to describe that organisms have unique and diverse life cycles, but all have in common birth, growth, reproduction, and death.	Superflex	Organisms Life cycle Birth Growth Reproduction Death	Daily review Exit tickets Quiz	What is a life cycle? Paper
<i>February 3</i>	Analyze and interpret data to produce evidence that plants and animals have traits inherited from parents and that variation of these traits exists in a group of similar organisms.	Superflex	Plants Animals Inherited Traits Organisms	Daily review Exit tickets Quiz	What animal looks different from its mother? Paper
<i>March 3</i>	Represent data in tables and graphical displays to describe typical weather conditions expected during a particular season.	Superflex	Graphical Typical Weather Seasons Winter Summer Spring Fall	Daily review Exit tickets Quiz	What should you expect for weather in the winter, and why? Paper

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<i>April 3</i>	Obtain and combine information to describe climates in different regions of the world.	Superflex	Climates Rainforest Desert Temperate Tropical Tundra Dry Marine Obtain combine	Daily review Exit tickets Quiz	What is your favorite climate? Paper
<i>May3</i>	Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost.	Superflex	Design Materials Time Cost	Daily review Exit tickets Quiz	What material was your design made from? Paper
<i>June 3</i>	Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem.	Superflex	Generate Multiple Problems Criteria	Daily review Exit tickets Quiz	How did you solve the problem? Paper

Marie Dougherty

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