

Burgess Elementary School Grade Three Curriculum Map Science

	Content	Skills	Assessment	Activities/Resources
September	Magnets (P9, P10) <ul style="list-style-type: none"> • Magnetic poles • Attraction • Force 	<ul style="list-style-type: none"> • Observation • Inquiry • Classification • Demonstration • Analyze • Arrange 	<ul style="list-style-type: none"> • Lab Report • Written assessment with open response and direct questions. 	<ul style="list-style-type: none"> • Test a variety of objects with various magnets (DSM kits) • Make a compass and use it to locate magnetic north • Sort objects into categories: magnetic and non-magnetic • Use iron filings to visualize magnetic poles
October	Simple Machines (T1.3, T2.4) <ul style="list-style-type: none"> • Work • Mechanical advantage • 7 simple machines 	<ul style="list-style-type: none"> • Define • Memorize/recognize • Identify • Demonstrate • Assemble 	<ul style="list-style-type: none"> • Research • Experiment/Lab • Reports • Test/Quiz 	<ul style="list-style-type: none"> • Introduce, discuss, & manipulate examples of simple machines

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November	Rocks and Minerals (P1, E1, E2, E3, E6) <ul style="list-style-type: none"> • Rocks made of minerals • Common minerals and physical properties • Categories of rocks • Rock cycle 	<ul style="list-style-type: none"> • Define • Classify • Interpret • Analyze • Arrange • Evaluate 	<ul style="list-style-type: none"> • Test/Quiz • Open Response • Experiment • Lab Reports • Research Report 	<ul style="list-style-type: none"> • List, define, and observe the characteristics of minerals • Sort rocks • Duplicate the rock cycle with chocolate chips • Do a web search and play rock and mineral games
December	Soil (E4, E5) <ul style="list-style-type: none"> • Soil formation • Properties of soil • Soil components • Function of soil 	<ul style="list-style-type: none"> • Recognize • Describe • Differentiate/examine 	<ul style="list-style-type: none"> • Experiment/lab report • Journal Writing 	<ul style="list-style-type: none"> • Observe topsoil with a hand lens • Set up a composting station in the classroom • Experiment with plant growth in different soils
January	Changes in the Earth's surface (E12) <ul style="list-style-type: none"> • Erosion, weathering • Landslides, volcanic eruptions, earthquakes 	<ul style="list-style-type: none"> • Recognize • Describe 	<ul style="list-style-type: none"> • Experiment/lab report 	<ul style="list-style-type: none"> • Lab simulations • Nonfiction texts

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February	Animal Classification (L1) <ul style="list-style-type: none"> Distinguish between the 5 major classes of vertebrates 	<ul style="list-style-type: none"> Classify Recognize Illustrate Categorize Differentiate 	<ul style="list-style-type: none"> Test/Quiz Research/Written report 	<ul style="list-style-type: none"> Create a Chart or Book of Vertebrates
March	Animal Changes/adaptations (L3, L4, L6, L9) <ul style="list-style-type: none"> Metamorphosis Camouflage Adaptations 	<ul style="list-style-type: none"> Recognize Differentiate Explain 	<ul style="list-style-type: none"> Quiz Journal responses 	<ul style="list-style-type: none"> Observe changes in form using living organisms Sequence life cycle photos Explore animal adaptations
April	Animal Communities (L7, L11) <ul style="list-style-type: none"> Habitats Migration/hibernation Food Chain 	<ul style="list-style-type: none"> Recognize Describe Illustrate 	<ul style="list-style-type: none"> Written assessment with open response and direct questions 	<ul style="list-style-type: none"> Dramatize food chain Trade books exploring animal habitats www.exploratorium.edu

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May	Technology & Engineering (T1.1,T1.2, T2.1, T2.2, T2.3)	<ul style="list-style-type: none"> • Illustrate/sketch • Analyze/plan • Assemble 	<ul style="list-style-type: none"> • Project • Experiment • Journal Writing 	<ul style="list-style-type: none"> • Create a diorama of an animal's habitat • Design and create a habitat for a class pet. • Complete design activities at Cyber Chase • http://pbskids.org
June	Review of Third Grade Science Curriculum	<ul style="list-style-type: none"> • Demonstrate • Explain • Define 	<ul style="list-style-type: none"> • Participation in center activities and review activities 	<ul style="list-style-type: none"> • Center activities • Review games

Monthly studies are interchangeable.
 Activities are optional and may vary from class to class.