

Grade 1 Science

Diary map is based on the 2014-2015 school year. Information may change year to year. Months are guidelines and items may be done at different times of the year.

Month	Essential Questions	Content	Skills	Assessment	Resources	Technology
Aug.- Sept.	Apples How does studying the properties /attributes of living objects help us to understand them, organize them, and answer questions about them?	Apples -Parts: skin, flesh, seeds, core, stem and leaves -Kinds -Seasons of tree -Life cycle	Apples -Label apple parts -Name different kinds of apples -Identify the seasons of an apple tree -Identify the life cycle of an apple tree	Apples -Apple labeling project -Apple tree season worksheet -Partner discussion -Poem group work -Whole group discussion	Apples -Non-fiction books -Fiction books -www.TeacherPay Teachers.com materials -Scholastic News	Apples -www.youtube.com
Oct.	Fall/Leaves, Pumpkins, and Bats How does studying the properties/ attributes of living objects help us to understand them, organize them, and answer questions about them?	Fall/Leaves -Signs -Reactions Pumpkins -Parts: vine, leaves, stem, shell, pulp, and seeds -Life cycle Bats -Habitat -Body parts: arms, leg, wings, tail, fingers, thumbs, ears, feet -Characteristics -Diet -Echolocation	Fall/Leaves -Recognize the signs of Fall -Relate how animals, plants, and people react to Fall Pumpkins -Label the pumpkin -Show the life cycle of the pumpkin Bats -Identify a bat’s habitat -Label bat body parts -Describe the characteristics of a bat -Identify what bats eat -Describe echolocation	Fall/Leaves -Whole group discussion -Partner discussion -Class book -Writing prompts -Poem group work Pumpkins -Life-cycle project -Published informational writing piece -Poem group work Bats -Whole group discussion -Partner discussion -Informational writing piece -Bat labeling project -Bat book project	Fall/Leaves -Non-fiction books -Fiction books Pumpkins -Non-fiction books -Fiction books -Teacher Pay Teachers -Scholastic News Bats -Non-fiction books -Fiction books -www.TeacherPay Teachers.com materials -Scholastic News	Fall/Leaves -www.youtube.com Pumpkins -www.youtube.com -iPad app: Scribble Press Bats -www.youtube.com -iPad apps: Whiteboard and Scribble Press
Dec.	Reindeer/Sound How does studying the properties/ attributes of living and non-living objects help us to understand them, organize them, and	Reindeer -Diet -Characteristics -Habitat	Reindeer -Identify what reindeer eat -Describe the characteristics of a reindeer -Identify a reindeer’s	Reindeer -Whole group discussion -Partner discussion -Informational writing piece	Reindeer -Non-fiction books -Fiction books	Reindeer -www.youtube.com -iPad app: Scribble Press

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	answer questions about them?	Sound -Sound waves travel through the air -Vibrations	habitat Sound -List the steps of how sound travels	Sound -Whole group experiment	Sound -Non-fiction book & accompanying paper	Sound -iPad app: Brain Pop Jr. - Energy
Feb.	Habitats How does studying the properties/ attributes of living and non-living objects help us to understand them, organize them, and answer questions about them?	Habitats -Kinds: artic, desert, wetlands, grasslands, forest, oceans, rainforests -Characteristics -Animals	Habitats -Identify different habitats -Examine the characteristics of each habitat -Recognize animals that live within each habitat	Habitats -Partner discussion -Group project with presentation -Whole group discussion	Habitats -Non-fiction books -Fiction books	Habitats -Nationalgeographic.com -iPad app: Whiteboard, Animal Habitats, World Wild Life Federation Together
March - April	Sun/Moon/Stars How does studying the properties/ attributes of living and non-living objects help us to understand them, organize them, and answer questions about them?	Sun/Moon/Stars -Sky -Sun -Moon	Sun/Moon/Stars -Identify objects in the sky during the day and night -Recognize the features and patterns of the earth/moon/sun	Sun/Moon/Stars -Whole group chalk activity -Small group acting activities -Science journal activities	Sun/Moon/Stars -Non-fiction books -Poems -Telescope -Sun/Moon/Earth model	Sun/Moon/Stars -iPad app: Brain Pop Jr. Sun/Moon/Earth -Tumblebook videos
April - May	Weather How does studying the properties/ attributes of living and non-living objects help us to understand them, organize them, and answer questions about them?	Weather -Seasons -Water cycle: air, sun, clouds, storms	Weather -Identify the four seasons -Describe the characteristics of the seasons -Describe the water cycle: evaporation, condensation, and precipitation	Weather -Weather Bingo -Whole group discussion -Cloud lap book -Water cycle headbands -Whole group experiments	Weather -Non-fiction books -Fiction books -Frank Schaefer Weather Unit -Poems -Scholastic News	Weather -iPad app: Brain Pop Jr. -Weather