

2022-2023 Science and Engineering Units

Kindergarten (approx. 45 periods-50 min. in length)

(Each session will begin with an "opening experiment")

Intro. To Science and Engineering (Sept.)

Interdependent Relationships in Ecosystems I (Sept.-Oct)

Unit: My Big Nature Adventure

Forces and Interactions (Nov.-Dec.)

Unit: Marble Run Engineer

Weather and Climate

Unit: Be Prepared (Jan.-Feb.)

Magnetism (March.)

Basic Electrical Circuits (March)

Sink and Float investigations (April)

Geology (April)

Interdependent Relationships in Ecosystems II (May)

Unit: I Can

Science Fair Viewing Mon. March 27th Gym/Library-12:30-1:45

Gr. 1 and 2 (approx. 55 50 min. periods) (2 year rotation)

2022-2023

(Each session will begin with an "opening experiment")

Earth Materials-Geology (Sept.-Oct.)

Astronomy-Moon Phases (Nov.)

Balance and Motion (Dec.-Jan.)

Air and Weather (Feb.-March)

Wind Tunnel Engineering (April)

Intro. to Insects (May)

Gr. 1 Family Science Night Mon. Oct. 24th Multi. (possibly virtual)

Science Fair Viewing Mon. March 27th, Gym/Library-12:30-1:45

Gr. 2 Family Science Night Mon. Nov. 14th Multi (possibly virtual)

Science Fair Viewing Mon. March 27th Gym/Library-12:30-1:45

2023-2024

(Each session will begin with an "opening experiment")

Lifecycles (plant and animal) (Sept.-Oct.)

Habitats (Nov.-Dec.)

Properties of Air (Jan.)

Engineering (design a hand pollinator) (Feb.-March)

States of Matter (April-May)

Gr. 3 (approx. 50 50 min. periods)

(Each session will begin with an "opening experiment")

Forces and Interactions

Unit: The Ultimate Playground *(Sept.-Oct.)*

Leaf Project *(Sept.-Oct)*

Inheritance and the Variation of Traits *(Nov.)*

Unit: Welcome to the Biodome

Interdependent Relationships in Ecosystems *(Dec.)*

Unit: How to Survive an Ice Age

Weather and Climate

Unit: Weather Warning

Space Systems *(Dec.-Jan.)*

Science Fair Introduction-optional for Gr. 3 *(Jan.)*

Gr. 3 Family Science Night, Monday, Dec. 5th 6:00-7:00 (possibly virtual)

Science Fair Mon. March 27th, Multi-12:30-1:45, 6:00-6:45

Gr. 4 (approx. 60 50 min. periods)

(Each session will begin with an "opening experiment")

Magnetism and Electricity *(Sept.-Oct.)*

Engineering Design Process-Electromagnetism *(Nov.-Dec.)*

Science Fair Intro. *(Jan)*

Human Immune System *(Jan.)*

States of Matter/Heat *(Feb.-March)*

Water cycle *(April/May)*

Science Fair Mon. March 27th, Gym-12:30-1:45, 6:00-6:45

Gr. 5 (approx. 60 50 min. periods)

(Each session will begin with an "opening experiment")

Experimental Design Process *(Sept.-Oct.)*

Engineering Design Process-Levers *(Nov.-Dec.)*

Science Fair Intro. *(Jan)*

Ecosystem *(Jan.-Feb.)*

MCA Review *(15 min. each period Jan-Apr. and small group pull-out)*

Earth Science/Landforms *(March-April)*

Hovercraft Engineering

Science Fair Mon. March 27th, Gym-12:30-1:45, 6:00-6:45