

2020-2021 Science and Engineering Units

Kindergarten (approx. 45 50 min. periods)

(Each session will begin with an "opening experiment" to get students thinking about Science)

Sink and Float investigations (Sept) **Distance Learning Format Sept. 28-Oct. 2**

Weather/Moon Phases (ongoing all year)

Intro. To Science and Engineering (Oct.)

Animals (classifications, life cycles, habitats) (Oct.-Nov.)

Engineering (design and build animal habitat) (Dec.)

Astronomy- (Intro to the Sky-solar system, moon and common constellations) (Jan)

Magnetism (Feb..)

Basic Electrical Circuits (March)

Plants, Living and Non-Living Natural Systems (April-May)

Gr. 1 (approx. 45 50 min. periods)

(Each session will begin with an "opening experiment" to get students thinking about Science)

Air and Weather (Sept-Oct) **Distance Learning Format Sept.8-11 Oct.5-9**

Earth Materials-Geology (Nov..)

Astronomy-Moon Phases (Dec.)

Balance and Motion (Jan.-Feb)

Wind Tunnel Engineering (March-April)

Intro. to Insects (May)

Gr. 2 (approx. 45 50 min. periods)

(Each session will begin with an "opening experiment" to get students thinking about Science)

States of Matter (Sept-Oct) **Distance Learning Format Sept. 14-18 Oct. 12-16**

Lifecycles (plant and animal) (Nov.)

Habitats (Dec.-Jan..)

Properties of Air (Feb.-March)

Engineering (design a hand pollinator) (April-May)

Gr. 3 (approx. 45 50 min. periods)

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

Rocks and Minerals (Sept) **Distance Learning Format Sept. 21-25 Oct. 19-23**

Plants and Animals-Structure and Function/Adaptations (Oct.-Nov.)

Engineering Membranes (Dec-Jan..)

Astronomy-Moon Phases and Solar System (Feb.-March.)

Science Fair Introduction-optional for Gr. 3 TBD

Light .-(April)

Sound (May)

Science Fair TBD

Gr. 4 (approx. 55 50 min. periods)

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

States of Matter/Heat (Sept.-Oct) **Distance Learning Format Sept. 14-18 and Oct. 5-9**

Water cycle (Sept.-Oct) Distance Learning Format

Magnetism and Electricity (Nov.-Jan...)

Engineering Design Process-Electromagnetism (Feb.-March)

Science Fair Intro. (Jan)

Human Immune System (April-May.)

Science Fair TBD

Gr. 5 (approx. 55 50 min. periods)

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

Earth Science/Landforms (Sept.-Oct.) **Distance Learning Format Sept.8-11, Sept. 28-Oct. 2**

Experimental Design Process (Nov.-Dec.)

Engineering Design Process-Levers (Jan.-Feb.)

Science Fair Intro. (Jan)

Ecosystem (March-April)

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

Wolf Ridge Prep (May)

Science Fair TBD