

Oakview Preparatory School
Long Range Plans
2018

First Marking Period
Second Marking Period
Third Marking Period
Fourth Marking Period

August 27 –October 26 2018 43 days
October 29 – January 25, 2019 50 days
January 28 - April 5, 2019 46 days
April 8- June 14, 2019 44 days

Teacher: *Karen Austin*

Curriculum: North American Division of SDA and New York State
Resources: videos, hands on interactive experiments, supplemental resource books tests, research reports, projects, class participation, cooperative group work, classwork and homework classwork **20%** projects **20%** quizzes **5%** tests **40 %** Misc. **5%** late work will have a **5 % deduction**

Other Assessments: quizzes,
Grading Policy: homework **10%**

The students will master the following topics with 90% accuracy and score 85% or better on tests and given activities by the end of the stated time period.

Small adjustments may be made at the teacher's discretion

Lab Resources: BFEK- Biology for Every Kid, ESFEK- Earth Science for Every Kid, internet

Science Grade: 5

Text: By Design Science 5

First Marking Period

Lab/Projects:
water (internet)

Chapter 1 Living Things

- What are living things
- How are living systems organized
- How do cells divide and reproduce

Chapter 2 Classification of Organisms

- How do we classify organisms
- What are the domains of life
- What are fish, amphibians and reptiles
- What are birds and mammals

October Lab:
(new text p 48),
(internet)

Chapter 3 Adaptation

- What is adaptation
- What are physical adaptations
- What are behavioral adaptations
- What are some plant adaptations

Chapter 4 Organisms Interact

- What is an ecosystem
- How does energy flow in an ecosystem
- How do organisms interact

Second Marking Period November
off bird wings BFEK p. 134,

Chapter 5 Puberty and the Reproduction System

- What is God's plan for sexuality
- How do boys and girls grow and change
- What is God's plan for reproduction

Third Marking Period
Labs/projects: lights out plants p 58 BFEK,
ESFEK p 203

February

Chapter 6 Conception, Pregnancy, and Birth

- How does a baby develop throughout pregnancy
- How is a baby born

December Lab: bending a pencil 12.4 text,

Chapter 7 Common Diseases and Disorders

- How do we fight viruses and microorganisms
- What are diseases
- Why do we care about health

January

January Lab: bending a pencil text, water in plant stems BFEK P 18

Review units 1-2 for midterms

Midterms January 18-25, 2019

February
water pressure

Chapter 8 Weather and Climate

- What is the atmosphere
- What is the water cycle
- What is weather
- What is climate

Chapter 9 Earth's Ocean

- What is the ocean floor like
- How does ocean water move
- What are ocean ecosystems

March

Lab: divers buoyancy p 204 ESFEK,

Chapter 10 People and Earth

- Why is the ocean important
- What causes the ocean to change
- How have people changed earth's land and water
- What happens when ecosystems are changed

Chapter 11 Forms of Energy

- What are potential and kinetic energy
- How do thermal energy and matter interact
- What are sound waves

Fourth Marking period

**Labs/Projects straw drill ESFEK P 124, fluffy raisins BFEK p 12
temperature ESFEK p. 88, summer sun vs winter**

Chapter 12 The Electromagnetic Spectrum

- What are electromagnetic waves
- What is the electromagnetic spectrum
- How do lenses and mirrors affect light

Chapter 13 Forces Affect Motion

- What are forces
- How is motion described
- How do forces affect motion

May-June

Chapter 14 Machines are helpful

- What are work and power
- What are simple machines
- What are compound machines

Review for finals

Final exams May 31-5, 2019

April

currents and
sun ESFEK p. 136