

Oakview Preparatory School

Long Range Plans 2023-2024

Teacher: *Karen Austin*

Curriculum: North American Division of SDA and New York State

Other Resources: videos, hands on interactive experiments, supplemental resource books

Assessments: quizzes, tests, research reports, projects, class participation, cooperative group work, classwork and homework

Grading Policy: homework **10%** classwork **20%** projects **20%** quizzes **5%** tests **40 %** Misc. **5%** late work will have a **5 % deduction**

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

September

Lab/Projects: cell models, folding paper, lab safety sort

Scientific Method

Lab safety procedures

Scientific method review

Project assignment

Chapter 1 Living Things

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

MAP Tests of Basic Skills

October

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

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

Second Marking Period

November

BFEK p. 134,

Chapter 3 Adaptation

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

December

Chapter 4 Organisms Interact

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

January

Review for midterms

Midterms January

Third Marking Period

February

Labs/projects: lights out plants p 58 BFEK,
water pressure ESFEK p 203

Chapter 7 Common Diseases and Disorders

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

March Lab: divers buoyancy p 204 ESFEK, sink or swim internet

Chapter 9 Earth's Ocean

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

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

April

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

Chapter 6 Conception, Pregnancy, and Birth

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

May

Chapter 11 Forms of Energy

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

June

Review for finals

Final exams