

Lawrence School Science

Term Curriculum Checkpoints - Life Science

Term 1 Life Science Standards 1, 9, 14, 15, 16, 17

- Lab Orientation, Lab Equipment, Safety
- History and Use of Compound Microscopes
- Biogenesis
- Characteristics of Living Things
- Needs of Living Things (habitat, nutrients, water, air)
- Classification (Domains)
- Scientific Reasoning
- Research Project

Term 2 Life Science Standards 1, 2, 3, 4, 5, 6, 7, 8, 9

- Cell Structure and Function
- Prokaryote, Eukaryote Cells
- Classification
- Cornerstone lab (euglena, paramecium, hydra, daphnia)
- Scientific Method
- Controlled Experiments (Independent, Dependent, and Controlled variables)
- Cell Division (Mitosis)
- Engineering Project, The Design Process

Term 3 Life Science Standards 6, 7, 8, 10, 11, 12

- DNA, Heredity and Genetics
- Genetic Variation, Evolution, Extinction
- Diversity of Species (Biodiversity)
- Populations, Systems of Living Things, Hierarchical Organization
- Systems of the Body Overview
- Skeletal System
- Science Project / Science Fair

Term 4 Life Science Standards 6, 11, 13, 14, 15, 16, 17, 18

- Digestive System
- Circulatory System, Circulation in Humans, Heart
- Nervous System Overview
- Transport Systems in Plants
- Cornerstone Lab – Frog Dissection
- Photosynthesis
- Producer-Consumer-
Decomposers, Food Webs
- Changes in Ecosystems Over Time, Population Sampling Techniques
- Engineering Project