

Portfolio Assignment

You must include 2 pieces of work from standard 3, 4, 5 and 6.

Standard 3 - Evolution

Biological evolution accounts for the diversity of species developed through gradual processes over many generations.

- Genetic and environmental factors are causes of evolution
- Darwin's theory of natural selection
- Fossil evidence and comparative anatomy support evolution
- Extinction results from insufficient adaptations to environmental changes

Standard 4 - Earth and Life History

Evidence from rocks allows us to understand the evolution of life on earth.

- Slow geologic processes
- Major catastrophic events
- Rock cycle
- Geologic layers and radioactive dating indicate age of the earth
- Fossils as evidence of life and environmental changes
- Plate tectonics and distribution of organisms
- Geologic time scale

Standard 5 - Structure and Function of Living Systems

The anatomy and physiology of plants and animals illustrates the complementary nature of structure and function.

- Flowering plants
- Microbes
- Eye

Standard 6 - Physical Principles in Living Systems

Physical principles underlie biological structures and functions

- Visible light is a small band in the very broad electromagnetic spectrum
- Light travels in straight lines unless the medium changes
- Angle of Reflection/ Angle of Incidence

You must have one piece of work from the **different areas of the class** (6 total) including:

- Homework - any worksheet you did well on
- Classwork - something creative you did in class (poster, model, or sketch)
- Notes - one neatly completed set of notes
- Lab Work I - a group lab where you showed cooperation
- Lab Work II - a lab that shows observation skills or data taking
- Tests - Your best test to show you have mastered the knowledge in one science area

There will be **14 assignments** total.

Name of Assignment _____

Standard or Kind of Assignment _____

Explanation _____

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Explanation _____
