



**BIOLOGICAL SCIENCES  
CURRICULUM STUDY**

# HISTORY

- It was formed in in 1958, and became an independent non-profit organization in 1973.
- Headquartered in Colorado springs, Colorado.
- BSCS developed three approaches and separate curricula for the high school biology program.

# According to William Mayer

- The molecular level
- The cellular level
- The organ and tissue level
- The organism level
- The population level
- The community level
- The world biome level

# 3 level of organization

- BSCS Blue Version: (Molecular) Biological Sciences: Molecules to Man
- BSCS Yellow Version: (Cell) Biological Science: An Inquiry into Life
- BSCS Green Version: (World biome) Biological Science: An Ecological Approach

# Yellow Version

## **Biological Science: An Inquiry into Life**

- **Unity:** Life from life, basic structure and functions, living chemistry, the physiology and reproduction of cells, and the heredity materials.
- **Diversity:** viruses, bacteria, important small organisms, molds, yeasts and mushrooms, the trend toward complexity, the land turns green, photosynthesis, stems and roots.
- **Continuity:** patterns of heredity, the chromosome theory of heredity, Darwinian evolution, the mechanisms of evolution and the cultural evolution of man.
- **Interaction:** a population out of balance, a perspective of time and life: molecules to man

# Blue Version

## Biological Science: Molecules to Man

- Biology, the Interaction of Facts and Ideas: science as inquiry.
- Evolution of Life Processes.
- The Evolution of the Cell: master molecules.
- Multicellular Organisms: New Individuals.
- Multicellular Organisms: Genetic Continuity.
- Multicellular Organisms: Energy Utilization.
- Multicellular Organisms: Unifying Systems.
- The World of Life.
- Diversity Among Living Things.
- Patterns in the Biosphere.
- Within the Individual Organism.
- Continuity of the Biosphere.
- Man and the Biosphere.

# **Green Version**

## **Biological Science: An Ecological Approach**

- The World of Life.
- Diversity Among Living Things.
- Patterns in the Biosphere.
- Within the Individual Organism.
- Continuity of the Biosphere.
- Man and the Biosphere.

A blue-tinted background image of a pine tree. A yellow banner is positioned horizontally across the middle of the image, containing the text "THANK YOU" in white, bold, uppercase letters with a thin black outline.

**THANK YOU**