



Biology: RIASEC Classroom Connections

These examples of career connections across RIASEC themes help educators get started so they can further customize RIASEC-aligned examples for their content. RIASEC themes help students name and claim their interests and explore future options. Real-world examples as part of ongoing instruction improve engagement, relevance, and purpose.

Realistic (R):

- Field Biologist – Conducting hands-on research in ecosystems to gather data on species populations.
- Lab Technician – Performing laboratory procedures to analyze biological samples and support scientific research.
- Wildlife Conservationist – Engaging in fieldwork to manage wildlife habitats and apply biological principles to protect species.

Investigative (I):

- Geneticist – Analyzing genetic data to understand hereditary patterns and biological traits.
- Microbiologist – Investigating microorganisms and their roles in various ecosystems, including disease prevention and treatment.
- Environmental Scientist – Using biology to study environmental impacts on biodiversity and develop conservation strategies.

Artistic (A):

- Medical Illustrator – Creating detailed visual representations of biological processes and anatomical structures for educational purposes.
- Science Communicator/Documentary Filmmaker – Using creative skills to present complex biological topics to the public through visual media.
- Bio-Architect – Applying biological concepts to design buildings that integrate with natural environments (e.g., biomimicry).

Social (S):

- Health Educator – Teaching communities about biology-related topics like nutrition, diseases, and public health.
- Patient Advocate – Helping patients understand biological aspects of their health conditions to make informed medical decisions.
- Community Outreach Coordinator – Organizing educational programs related to biology, such as environmental sustainability and health awareness.

Enterprising (E):

- Biotech Entrepreneur – Developing new technologies or products based on biological research to solve health or environmental problems.
- Pharmaceutical Sales Representative – Using biological knowledge to explain and promote the benefits of medical products to healthcare professionals.
- Healthcare Administrator – Managing healthcare services and applying biological knowledge to improve patient outcomes and operational efficiency.

Conventional (C):

- Clinical Research Coordinator – Organizing and managing clinical trials to test new biological treatments and medications.
- Biostatistician – Applying statistical methods to analyze biological data from experiments, clinical trials, or environmental studies.
- Health Information Technician – Maintaining and organizing biological and health records in clinical or research settings.