



## Chemistry: 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.

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### **Realistic (R)**

- Chemical Technician: Emphasize practical lab skills, demonstrating the application of chemistry in product testing and quality control.
- Environmental Consultant: Discuss the role of chemistry in environmental protection, including water and soil testing and pollution control.

### **Investigative (I)**

- Pharmaceutical Researcher: Explore the process of drug discovery and development, highlighting the investigative nature of finding new medicines.
- Forensic Chemist: Introduce the application of chemical principles in solving crimes through the analysis of substances found at crime scenes.

### **Artistic (A)**

- Perfumer: Discuss the art and science behind creating fragrances, exploring how chemistry blends creativity to produce new scents.
- Food Flavorist: Connect chemistry with culinary arts, showing how chemical compounds are combined to create and enhance flavors in food.

### **Social (S)**

- Science Educator: Highlight the importance of teaching and inspiring future generations about the wonders of chemistry.
- Public Health Advocate: Discuss how chemists contribute to public health through research on toxins, pharmaceuticals, and nutrition.

### **Enterprising (E)**

- Chemical Sales Manager: Explore careers in marketing and selling chemical products, focusing on negotiation and business skills.
- Biotech Entrepreneur: Inspire students with stories of individuals who have started their own companies in biotechnology, using chemistry to innovate.

### **Conventional (C)**

- Quality Control Analyst: Highlight the role of maintaining standards in manufacturing through rigorous chemical testing and analysis.
- Regulatory Affairs Specialist: Discuss how chemists ensure products comply with laws and regulations, focusing on the documentation and safety standards.

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Know yourself.  Develop your talents.  Weigh your options.  Dream big!