



Integrated Math: 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)

- Civil Engineer: Explore the application of geometry and algebra in designing infrastructure, focusing on problem-solving and precision.
- Pharmaceutical Technician: Discuss how ratios and measurements are crucial in medication compounding and pharmacology.

Investigative (I)

- Data Analyst: Highlight the role of statistics and data analysis in making informed decisions across various sectors, including business and healthcare.
- Environmental Scientist: Introduce the use of mathematical models to understand environmental processes and predict changes.

Artistic (A)

- Graphic Designer: Explore how geometry influences design principles, including symmetry, proportion, and balance.
- Architect: Discuss the integration of mathematical precision with aesthetic design in the planning and construction of buildings.

Social (S)

- Market Research Analyst: Emphasize how surveys and statistics help understand consumer behavior and inform marketing strategies.
- Education Consultant: Highlight the development of educational programs and curricula that integrate math to meet diverse learning needs.

Enterprising (E)

- Financial Planner: Discuss the application of algebra and statistics in budgeting, investment planning, and risk assessment.
- Entrepreneur: Explore how entrepreneurs use math to analyze business models, forecast financials, and strategize growth.

Conventional (C)

- Accountant: Highlight the importance of accuracy and organization in managing financial records, taxes, and audits.
- Operations Manager: Discuss the role of mathematical optimization in improving efficiency and productivity in business operations.

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