



Algebra: 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):

- Construction Worker: Applying measurements and calculations for building projects.
- Auto Mechanic: Using algebra to solve problems related to automotive systems.
- Electrician: Applying algebraic concepts in understanding electrical systems and circuits.

Investigative (I):

- Scientist: Analyzing data using algebraic techniques to draw conclusions.
- Statistician: Using algebra for statistical analysis and data interpretation.
- Environmental Scientist: Applying algebra to model environmental trends and analyze data.

Artistic (A):

- Graphic Designer: Using algebra in design software for creative projects.
- Photographer: Calculating and adjusting camera settings using algebraic principles.
- Music Producer: Applying algebraic concepts in sound engineering and music production.

Social (S):

- Event Planner: Using algebra for budgeting and logistics in event planning.
- Social Worker: Analyzing and interpreting data using algebra to assess social needs.
- Human Resources Specialist - Applying algebra in workforce planning and analytics.

Enterprising (E):

- Entrepreneur: Using algebra for financial planning, budgeting, and business analysis.
- Sales Manager: Analyzing sales data and trends using algebraic techniques.
- Marketing Specialist: Applying algebra in market research and data analysis.

Conventional (C):

- Land Surveyor: Highlight the precision and application of geometric concepts in determining land boundaries and preparing sites for construction.
- Logistics Coordinator: Explore the optimization of space in warehousing and transportation, focusing on efficiency and organization..

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