



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)

- Architect: Discuss the use of geometric principles in designing buildings and structures, emphasizing spatial reasoning and precision.
- Carpenter: Explore how geometry is crucial for creating accurate plans and ensuring structural integrity in construction projects..

Investigative (I)

- Geographer: Introduce the application of geometry in mapping, spatial analysis, and understanding physical landscapes.
- Forensic Scientist: Highlight how geometric concepts help in reconstructing crime scenes and analyzing evidence trajectories..

Artistic (A)

- Fashion Designer: Discuss the role of geometry in pattern making, clothing design, and the aesthetics of fashion.
- Graphic Artist: Explore the use of shapes, symmetry, and proportion in creating visually compelling artworks and designs.

Social (S)

- Urban Planner: Emphasize the importance of geometric planning in creating efficient, sustainable, and livable cities.
- Education Specialist: Discuss how teaching geometry connects with helping others understand the world spatially and mathematically.

Enterprising (E)

- Real Estate Developer: Introduce the application of geometry in property development, from site selection to the design of commercial and residential properties.
- Marketing Analyst: Discuss how geometric analysis of data visualizations can reveal consumer patterns and inform marketing strategies.

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!