

Additional Resources

In addition to Modules and Case Studies, the Center offers Activities, Information Briefs, Interviews, Video Vignettes, Sample Wrap-Around Concept Maps, and Sample Syllabi.

IRIS Topics

IRIS materials address topics such as:

- Accommodations
- Assessment
- Assistive Technology
- Behavior & Classroom Management
- Differentiated Instruction
- Disability
- Diversity
- Early Intervention/Early Childhood
- Learning Strategies
- Mathematics
- Response to Intervention (RTI)
- Transition

Contact Us



IRIS@VU • Modules and Materials Development
Naomi C. Tyler, PhD • Co-Director
Vanderbilt University
Phone: (615) 343-5610 or (800) 831-6134
Fax: (615) 343-5611
Email: iris@vanderbilt.edu



IRIS@CGU • Technical Assistance and Training
Deborah D. Smith, EdD • Co-Director
Claremont Graduate University
Phone: (909) 607-8982 or (866) 626-IRIS [4747]
Email: iris@cgu.edu



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MATHEMATICS



THE IRIS CENTER

iris.peabody.vanderbilt.edu
or iriscenter.com

Serving: Higher Education Faculty • PD Providers • Practicing Educators
Supporting the preparation of effective educators to improve outcomes for all children, especially those with disabilities, birth through age 21

IRIS RESOURCES ABOUT MATHEMATICS

Why Is It Important?

One of the core academic subjects, mathematics comprises many important skills required in typical daily activities. Further, in today's increasingly technological society, more and more jobs are related to mathematics and science. Because of this, it is critical that students begin to develop essential mathematic concepts and skills at an early age.

Primary Topics

Mathematics skills are essential for students to be successful in school. The IRIS Center provides supplemental training materials on mathematics-related topics:

- High-quality mathematics instruction
- RTI for mathematics
- Algebra

Case Studies

The IRIS Case Study Units outlined below present students with real-life scenarios to strengthen their understanding of mathematics instruction. Case Studies can be used to supplement the IRIS mathematics Modules.

Algebra (Part 1):

Applying Learning Strategies to Beginning Algebra

http://iris.peabody.vanderbilt.edu/wp-content/uploads/pdf_case_studies/ics_alg1.pdf

This Case Study Unit offers strategies for working with students with disabilities who have difficulty with beginning algebra. It provides information on strategies such as using algebra manipulatives, teaching vocabulary, and implementing graphic organizers.

Algebra (Part 2):

Applying Learning Strategies to Intermediate Algebra

http://iris.peabody.vanderbilt.edu/wp-content/uploads/pdf_case_studies/ics_alg2.pdf

This Case Study Unit offers strategies for working with students with disabilities who have difficulty with intermediate algebra. It includes information on strategies such as using algebra manipulatives, teaching vocabulary, and implementing graphic organizers.

Modules

IRIS *STAR Legacy* Modules that address mathematics incorporate information to enhance student learning and to provide valuable resources for teachers. These Modules include interactive activities that offer opportunities to practice scoring and graphing progress monitoring probes, video clips demonstrating evidence-based instructional strategies, and audio interviews with notable experts and practitioners in the field.



★ High-Quality Mathematics Instruction:

What Teachers Should Know

<http://iris.peabody.vanderbilt.edu/module/math/>

This Module describes the components of high-quality mathematics instruction: a standards-based curriculum and evidence-based strategies. It also highlights several effective practices teachers can use to teach mathematics.



★ RTI:

Mathematics

<http://iris.peabody.vanderbilt.edu/module/rti-math/>

This Module describes the response-to-intervention framework as applied to mathematics. It includes discussions of instruction, assessment, and data-based decision making at the primary, secondary, and tertiary levels.