Building a Scaffold for Student Success

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Ivy Tech Math Pathways

<table>
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<tr>
<th>Tech</th>
<th>QR</th>
<th>Algebra/Calculus Prep</th>
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<tbody>
<tr>
<td>MATH 122 Technical Mathematics</td>
<td>MATH 123 Quantitative Reasoning</td>
<td>MATH 135, 136, 137</td>
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<td>Foundations</td>
<td>MATH 080</td>
<td>MATH 100 Intermediate Algebra</td>
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<td>MATH 023 Essentials of Algebra I</td>
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CLM* Score

EALG** Score

Diagnostic Score

Students who wish to change to the Algebra pathway must retest. 122 and 123 can NOT be used as a pre-requisite for the 13x classes.
Ivy Prep may be available for any student who wishes to prepare and retest without enrolling in a course.
Support Via Technology

• Videos (Hippocampus, Pencasts, Show Me, other websites)
• Online Tutoring
• Computer based homework
• Synchronous video meetings
• Online Library guide
• Excel
Support Via People

• Faculty Engagement
• Supplemental Instruction
• Tutoring
• Student-led supplemental instruction
• Student Mentors
• Co-requisite courses
Support Via Resources

- Mindset Resources
- Journal Assignments
- Textbooks
- Half-Tests or Group-quizzes
- Jeopardy games
- Manipulatives
- Handouts
Journal Assignment Ideas

- Journal Assignments
  - Math Autobiography
  - Characteristics of successful students
  - Test Self-Assessments
  - Time Management
  - Building Resources
  - Learning Styles
  - Resource Exploration
Student and Instructor Feedback
Questions? Ideas?

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