Seizing the Opportunity for College Readiness Through HB 5

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About the Dana Center

- Equity — Access — Excellence -
Dana Center by the Numbers

Major grant received from the Bill & Melinda Gates Foundation for our Launch Years initiative, which aims to improve student success in high school mathematics.

Session outcomes

- Study the requirements and intent for offering a college-prep math course
- Develop a process for implementing or improving a transition course
- Explore a recommended curriculum framework developed by the Texas Success Center
Drivers that create barriers for students in college

A growing body of evidence identifies traditional postsecondary mathematics as a primary barrier to degree completion and equitable outcomes for millions of students.


HE: House Bill 2223

- Requires a certain percentage of underprepared students enrolled in developmental education to move into a corequisite model

  The guiding principle of the corequisite model is to meet students where they are academically and provide them with the content and strategies they need to succeed in their college-level courses.
K-12: House Bill 5

• Foundation High School Program
• Endorsements
• EOC in math: Algebra I
• Accountability
  o Includes TSI, Post-secondary credits, industry certifications
• College Readiness
  o Districts must partner with an IHE to develop a College Prep Math Course

HB 5 College Prep Math Course

• Required to be offered within every district
• Must be developed in partnership between K12 district and IHE
• Designed for seniors who are not deemed college ready
• Districts are required to notify students and parents of a student’s eligibility
• Earns a 4th math credit for students
• Successful completion allows students to enter credit bearing math course at partnering college
Texas Success Center Leadership

Providing guidance and coherence in implementation

• Charged statewide mathematics task force of K12 and Higher Education Mathematics leaders with creating a framework for the College Prep math course to prepare students for enrollment in any entry-level college math course, including, but not limited to, College Algebra

• Subjected the framework to public review, comment, and revision

• In 2014, released recommendations for districts and institutions of higher education to consider

Anatomy of the Framework

Understanding the architecture and content

College Prep Math Framework

• Organized around student learning goals and objectives
• Reflects modern mathematics
  • Applying mathematical processes
  • Numeric reasoning
  • Proportional reasoning
  • Algebraic reasoning
  • Probabilistic reasoning
  • Quantitative reasoning
Social Emotional and Academic Development (SEAD)

“Research shows that one of the biggest predictors of a student’s success in mathematics is his or her degree of Productive Persistence, a combination of learning mindsets and skills.”

_A Mind at Work: Maximizing the Relationship Between Mindset and Student Success_,
Center for Community College Student Engagement, 2019

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