



STEM TRANSFER PREPARATION

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WHAT DOES EVERY STEM STUDENT NEED?

- Algebra
- Trigonometry
- Calculus
- Chemistry
- Physics



INTERDISCIPLINARY DIALOG?

- Who talks to whom?
- How often?
- Topics, Content, or Strategies?



LEARNING COMMUNITIES

- Math – nursing
- math - English
- English – Field Biology/Geol.
- English – Envi. Sci.
- Eng. – Geology
- ESL – Oceanography
- Biology – Chemistry (Intro)
- Computer Science – Math



‘TRY THIS’

- Incorporate Current Topics
- Independent Learning
- ID Skill Set
 - Intrinsic Motivation
 - Practice
 - Growth Mindset
- Share instructor vulnerability**
- Career Pathways
 - Utility of skills to all career paths
- Refer to Support Services (show the way)
- Involved in clubs, learning communities, student life activities



'TRY THIS'

- Mentorship
- Sense of Community
 - Create Community (MESA, Math Clubs, facilitated workshops)
- Safe learning environment – expected to fall-down
- Counselor Dialog
- Text selection
- Team Teaching
- Cross-Discipline Communication
 - Perhaps college-wide dialog (HeLa project, pi day)



IMPROVING STUDENT SUCCESS

- Improving student interest
- Collective Engagement

