UNLOCKING THE SECRETS TO STUDENT SUCCESS: REAL STRATEGIES FOR YOUR CLASSROOM

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Programa Para La Innovación Enseñanza
The universal problem of higher education
The universal problem of higher education

Students
The universal problem of higher education

Students’ lack of readiness to succeed limits their success
One Minute Paper

What does student success look like in your classroom?
What is student success?

- Retention
  - Keeping a student continuously enrolled in your school from first year until they graduate
    - In a timely manner, with limited repetition and stopping out
And why care about retention?

- When students are not retained there are significant financial, social and institutional costs.
What is student success?

- Readiness
  - Students come in with such different levels of readiness, standardized teaching doesn’t fit.
  - How can you customize your teaching to address different levels of student readiness?
And why care about readiness?

- Students who are ready succeed and are retained at higher levels.
Why aren’t our students ready?

Write down the three most important things students need in order to succeed college.
Goals for today

After taking this seminar you will be able to:

- Understand the dimensions of readiness that contribute to student success

- Identify classroom strategies that can improve retention and student motivation and diminish repetition
“I would have learned more skills like guitar-playing so I could woo the girls, and maybe studied harder for my advanced classes, also for the same reason.”

Sophomore, Engineering
Student perceptions of readiness

- I wish I would have been tested more on theories and ideas. I feel that in high school we are taught more to memorize. College is not about memorization. It's about understanding.

- I wish I would have been more informed about the whole college experience. Also, wish I would have known how crucial it is to study and be responsible once one is on his/her own.
Faculty Perceptions of Readiness

- Intellectual and historical curiosity, the ability to read carefully, the ability to make connections between/among diverse ideas.

- Some time management and responsibility, as well as basic grammar and sentence structure abilities. I did not expect any area knowledge or advanced research skills.
International perceptions of readiness

<table>
<thead>
<tr>
<th>Skill</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Destrezas de investigación</td>
<td>76%</td>
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<tr>
<td>Destrezas de pensamiento critico</td>
<td>76%</td>
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<tr>
<td>Destrezas del manejo del tiempo</td>
<td>75%</td>
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<td>Destrezas analíticas de lectura</td>
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<tr>
<td>La habilidad de perseverar</td>
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<tr>
<td>Destrezas de escritura</td>
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<td>Destrezas para estudiar</td>
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<td>Destrezas cuantitivas</td>
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<td>Destrezas de presentación oral</td>
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<td>Conocimiento del contenido</td>
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<td>Destrezas colaborativas</td>
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International perceptions of readiness

- Destrezas de investigacion: 76%
- Destrezas de pensamiento critico: 76%
- Destrezas del manejo del tiempo: 75%
- Destrezas analiticas de lectura: 71%
- La habilidad de preseverar: 70%
- Destrezas de escritura: 65%
- Destrezas del pensamiento creativo: 59%
- Destrezas para estudiar: 53%
- Destrezas cuantititvas: 51%
- Destrezas de presentacion oral: 48%
- Conocimiento del contenido: 43%
- Destrezas colaborativas: 38%
Main Message

Student readiness is not only about content knowledge
Main Message

Student readiness is not only about content knowledge

- Self Knowledge
- College Knowledge
- Academic Skills
- Habits of Mind
- Content Knowledge
Self Knowledge

- A holistic and developing view of the self
  - Self-awareness
  - Self-monitoring
  - Self-control
  - Self-efficacy
  - Identity development
Self Knowledge

- What kind of self-knowledge do your students need?
College Knowledge

- Formal and informal information necessary for navigating
- Deadlines, timelines, routines
- Awareness of the structure of the higher ed system and the university
- Conventions of interactions in the college context
- Human relations skills to cope with the system expectations
Academic Skills

- Study skills
- Perseverance
- Time management
- Critical reading
Habits of Mind

- Intellectual openness
- Inquisitiveness
- Analysis
- Reasoning, argumentation, proof
- Interpretation
- Precision and accuracy
- Critical thinking about content
- Creative thinking
Content Knowledge

- Core Subject Content
- Writing
- Research
Readiness Reflection

<table>
<thead>
<tr>
<th></th>
<th>1 – Not present or poorly developed</th>
<th>2 – Developing Evidence of some competency in dimension</th>
<th>3 – Expert Complete mastery of this dimension</th>
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<tbody>
<tr>
<td>Self knowledge</td>
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<td>College knowledge</td>
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<td>Habits of mind</td>
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Think about your life as a student in your first year of university. How did you rate in each of these areas?
Key Characteristics of Readiness to Succeed

- Readiness is NOT a binary.
Key Characteristics of Readiness to Succeed

- Readiness is NOT a binary.
- Students fall on a spectrum of readiness.
Key Characteristics of Readiness to Succeed

- Readiness is NOT a binary.
- Students fall on a spectrum of readiness.
- Success is NOT only a matter of mastery of content knowledge, other dimensions may be equally if not more important.
Break
Which of the following is not a dimension of readiness we discussed?

1. College knowledge
2. Financial knowledge
3. Content knowledge
4. Academic Skills
5. Habits of Mind
How do we fix the universal problem of student readiness?

Fix the students, they are broken
How do we fix the universal problem of student readiness?

Fix the students, they are broken
One step is to fix the systems that support students across the dimensions of readiness
Write down the three most important things for students to learn in college?
A framework for student success

- Signaling
- Diagnosing
- Transmitting
- Intervening
Signaling

- **Telling students exactly what you expect**
- **Making those expectations explicit for the institution and the classroom**
Signaling

Students’ prior knowledge can help or hinder their learning
Signaling

- Classroom Signals
  - Make explicit on the syllabus the prior knowledge and skills expectations and learning goals for your course in all dimensions, *not just content knowledge*
Diagnosing

- Figuring out where students fall along the readiness spectrum
- Looking for gaps in their knowledge or places where readiness impacts their learning
Diagnosing

- Classroom Diagnosing
  - Baseline diagnostics in the first two weeks
  - In-class formative evaluations (ConcepTests, JiTT, One Minute Papers, Grading Exercises/Rubrics (self, peer, expert assessments, Homework)
Transmitting

- The bridge between diagnosing and intervening
- Diagnosing is too often a one way street
Transmitting

- Classroom Transmitting

Transmission is almost always about content, need transmission that is more than right/wrong why right, why wrong.

- Case Example: Tutoring
  - You need help with your writing go see a writing tutor
    - Why doesn’t this work? Because the student doesn’t understand why they need a writing tutor
Intervening

- Creating systems to address the dimensions of readiness BEFORE students are in a crisis situation
- Policies and procedures that empower intervention for the students
- Structuring intervention across the spectrum of readiness
Classroom interventions

- Research-based pedagogies that build readiness skills and abilities
- Authentic Assessments
- Modular or customized learning
Readiness retrieval

Part 1: Write a definition of college student readiness to succeed in your own words (or draw a graphic), include the key characteristics of readiness

Part 2: List the four ways of addressing issues of readiness to succeed you can draw on in your work
If an institution requires faculty members to list prior knowledge expectations on their syllabus, this is an example of which aspect of the success framework?

1. Signaling
2. Diagnosing
3. Transmitting
4. Intervening
Framework for student success in college

Intervening

Signaling

Transmitting

Diagnosing

Self Knowledge

College Knowledge

Academic Skills

Habits of Mind

Content Knowledge
One Minute Paper

What is one thing that you can do to improve student success when you return to your campus?
STRATEGIES TO IMPROVE STUDENT RETENTION

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