Jan 25th, 3:15 PM - 4:00 PM

When Homework Management Systems Work Best: The Role Of Tenacity

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When Homework Management Systems Work Best:

The Role of Tenacity

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Deliberate Practice

- Attempt-feedback-reattempt cycle
- Multiple attempts
- Extends classroom practice

Overall Findings

- Sample of 917 students
- 85.52% persisted through all three allowed attempts
  - 62.28% got all available points in 3 tries
  - 23.24% persisted but DID NOT get the points in 3 tries
  - **14.48% QUIT TRYING**
Findings By Module

<table>
<thead>
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<th>MOD</th>
<th>PERSIST</th>
<th>QUIZ</th>
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<tbody>
<tr>
<td>1</td>
<td>90.96%</td>
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<td>83.22%</td>
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<td>7</td>
<td>93.75%</td>
<td>82.86%</td>
</tr>
</tbody>
</table>

![Quiz Scores VS Homework Persistence](chart.png)
Tenacity & Grit

• Grit includes two dimensions\textsuperscript{1}
  – Consistency of interest
  – Perseverance of effort
• Perseverance = Academic success\textsuperscript{2}
• Predictor of GPA\textsuperscript{3}

Grit and Deliberate Practice

• Grit facilitates deliberate practice\textsuperscript{1}
• Effort counts twice\textsuperscript{2}
  – Talent $\times$ effort = skill
  – Skill $\times$ effort = achievement
• Grit = substitute for cognitive ability\textsuperscript{3}

Grit and Resiliency

- Resiliency overcome short term
- Resiliency creates grit
- Grit creates resiliency
- Grit increases with each success

FLEX: Build Resilience To Build Grit

• Failure happens
• Lean in to the emotion
• Elect a positive response
• X-ray: Be transparent – share your story

**FLEX Exercise: Trial & Triumph**

1. Gather in groups of four.
2. Apply the FLEX Plan to your Trial and Triumph Card.
   - Failure happens
   - Lean in to the emotion
   - Elect a positive response
   - X-ray: Share your story
3. Discuss how this might be incorporated into the classroom.

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“Success is a lousy teacher. It seduces smart people into thinking they can't lose.”

-- Bill Gates
References


