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When Homework Management Systems Work Best: The Role Of Tenacity

Kathy K. Archer
Grand Canyon University, kathy.archer@gcu.edu

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When Homework Management Systems Work Best:

The Role of Tenacity

Kathy Archer
Kathy.archer@gcu.edu
602-639-6961
Linked In: Dr. Kathy Archer, DBA
Deliberate Practice¹

• 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>
<tr>
<th>MOD</th>
<th>PERSIST</th>
<th>QUIZ</th>
</tr>
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<tbody>
<tr>
<td>1</td>
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<tr>
<td>2</td>
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<td>6</td>
<td>91.82%</td>
<td>83.22%</td>
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<tr>
<td>7</td>
<td>93.75%</td>
<td>82.86%</td>
</tr>
</tbody>
</table>

### Quiz Scores VS Homework Persistance

![Graph showing Quiz Scores VS Homework Persistence](image-url)
Tenacity & Grit

- Grit includes two dimensions\(^1\)
  - Consistency of interest
  - Perseverance of effort
- Perseverance = Academic success\(^2\)
- Predictor of GPA\(^3\)

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Grit and Deliberate Practice

• Grit facilitates deliberate practice\(^1\)
• Effort counts twice\(^2\)
  – Talent x effort = skill
  – Skill x effort = achievement
• Grit = substitute for cognitive ability\(^3\)

Grit and Resiliency

- Resiliency overcome short term\(^1\)
- Resiliency creates grit\(^2\)
- Grit creates resiliency\(^3\)
- Grit increases with each success\(^4\)

FLEX¹: Build Resilience To Build Grit

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

FLEX\textsuperscript{1} 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.

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

-- Bill Gates
References


