Creating Future Focused Schools

Bill Daggett
Founder and Chairman
October 24, 2015
Fixed Mindset
or
Growth Mindset
Rigor and Relevance for ALL Students
Application Model

1. Knowledge in one discipline
2. Application within discipline
3. Application across disciplines
4. Application to real-world predictable situations
5. Application to real-world unpredictable situations
Knowledge Taxonomy

1. Remembering
2. Understanding
3. Applying
4. Analyzing
5. Evaluating
6. Creating
Levels

Rigor

Relevance

<table>
<thead>
<tr>
<th></th>
<th>1</th>
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<th>3</th>
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<tbody>
<tr>
<td>1</td>
<td>A</td>
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Levels:
- A: High Relevance, Low Rigor
- B: High Relevance, High Rigor
- C: Low Relevance, Low Rigor
- D: Low Relevance, High Rigor
<table>
<thead>
<tr>
<th>Rigor / Relevance Framework</th>
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<tbody>
<tr>
<td>6</td>
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<tr>
<td>• Analyze the graphs of the perimeters and areas of squares having different-length sides.</td>
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<td>• Determine the number of solutions for three different equations.</td>
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<td>• Identify coordinates for ordered pairs that satisfy an algebraic relation or function.</td>
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<td>• Determine and justify the similarity or congruence for two geometric shapes.</td>
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<td>• Obtain historical data about local weather to predict the chance of snow, rain, or sun during year.</td>
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<tr>
<td>• Design a new currency and trading rules for an online game.</td>
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</tbody>
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Rigor / Relevance Framework

- Represent fractions on a number line.
- Classify triangles according to angle size and/or length of sides.
- Calculate volume of simple three-dimensional shapes.
- Given the coordinates of a quadrilateral, plot the quadrilateral on a grid.
Rigor / Relevance Framework

- Draw a timeline of your life accomplishments.
- Calculate the incline of a new handicap ramp to be installed at the front entrance of the school.
- Determine the median and mode of weather data from the past week.
- Organize and display collected data, using appropriate tables, charts, or graphs.
Levels

Rigor

Relevance

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</table>
College Ready (College Prep)
Career Ready

Relevance

Rigor

C
D

A
B
Levels

Rigor

Relevance
Two Approaches to School Improvement

Fixed Mindset (Quad A/C)

Growth Mindset (Quad B/D)
Reading Study Summary

Interquartile Ranges Shown (25% - 75%)

Text Lexile Measure (L)

<table>
<thead>
<tr>
<th>High School Literature</th>
<th>College Literature</th>
<th>High School Textbooks</th>
<th>College Textbooks</th>
<th>Military</th>
<th>Personal Use</th>
<th>Entry-Level Occupations</th>
<th>SAT 1, ACT, AP*</th>
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<td>1400</td>
<td>600</td>
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<td>1200</td>
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Fundamental Shift

Those Schools that pull students out of Art, Music, Physical Education, and CTE for remediation have a fixed (A/C) mindset

Source: Better and Faster, Jeremy Gutsche
Fundamental Shift

Schools that drive academics into Art, Music, Physical Education, and CTE – as well as – drive Art, Music, Physical Education and CTE into academics have a growth (B/D) mindset

Source: Better and Faster, Jeremy Gutsche
Practices

• Looping
• Department Chairs
• Professional Learning Communities
• Reading
• Writing Intensive
• Career Pathways
• 1/3
Practices

• Constant Search for Innovative Best Practices
• Redefined Community
Discussion Question

• Emerging Trends
• Preparing Students for the 21st Century
Stride Academy
Recommendations
Recommended Action Items

Create 20-Day Plans
Recommended Action Items

- Create 20-Day Plans
- Create a Culture – Establish a Vision
Recommended Action Items

- Create 20-Day Plans
- Create a Culture – Establish a Vision
- Quad D Instruction
Levels

Rigor

Relevance

C  D

A  B
Recommended Action Items

- Create 20-Day Plans
- Create a Culture – Establish a Vision
- Quad D Instruction
- Measuring What Matters
Survey Tools for Measuring What Matters

We Learn
- Student Survey

We Teach
- Instructional Staff Survey

We Lead
- Whole Staff Survey

We Succeed
- Student Survey

We Inspire
- Instructional Staff Survey

We Support
- Parent/Community Survey
Teacher vs. Student Comparison

Students can apply what I am teaching to their everyday lives. (92%)

I can apply what I learn to my everyday life. (58%)
Teacher vs. Student Comparison

- **Teacher**: 88%
  - Students in my classroom engage in hands-on activities.

- **Student**: 45%
  - We do lots of hands-on activities in my classes.
Teacher vs. Student Comparison

I make learning exciting for my students.

My teachers make learning exciting.
I recognize students when they demonstrate positive behavior in school.

Good citizenship is rewarded in this school.
Student Profile
Reading Study Summary

Interquartile Ranges Shown (25% - 75%)

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<table>
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Source: National Test Data, MetaMetrics
Lexile® Framework - Student Profile
Matt - Age 15, Grade 10, Lexile 1090, GPA 3.0

Source: National Test Data, MetaMetrics
Lexile® Framework - Student Profile

Source: National Test Data, MetaMetrics
Lexile® Framework - Student Profile

![Graph showing Lexile measures for different categories and quarters.]

Source: National Test Data, MetaMetrics
Recommended Action Items

Professional Learning
Recommended Action Items

- Professional Learning
- Leadership Development/Executive Coaching
Recommended Action Items

- Professional Learning
- Leadership Development/Executive Coaching
- 2016 Model Schools Conference
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