Leveraging IPDAE’s Matrix Instructional Suite to Improve Outcomes

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Agenda

I. Short Activity
II. Rationale
III. Process Strategy for Moving Your Data
   A. Strategy 1
      1. Core Matrices
      2. Resource Activities
   B. Strategy 2
      1. Matrix Versions and Overlays
      2. Practice Activities
      3. Individualized Student Plan
   C. Strategy 3
      1. Individualized Student Plan Pilot
      2. Electronic Matrices
IV. Generalized Matrix Framework
V. CTE and WIOA Requirements
VI. Sustaining the Effort: IPDAE & Google Classroom
VII. The Last Word
Hook

PADDLEBOARDS!

1. Share a paddleboard with the person next to you.
2. With your partner, agree to one common but high priority challenge you are facing as you prepare for the upcoming school year.
3. In 2 minutes, summarize this common challenge using 2-3 words. Write the summary on your paddleboard.
4. Prepare to raise your paddleboard when cued.
5. Be prepared to explain and/or answer questions when prompted.

Rationale

WHAT DROVE THE MATRIX DEVELOPMENT
Educational agencies in general have not met state targets on Measurable Skill Gains in ABE.
2017-2018 NRS Statewide Table 4.

Educational agencies in general have not met state targets on Measurable Skill Gains in ESL.
2017-2018 NRS Statewide Table 4.
State target for Measurable Skill Gains in ABE: 42%
State target for Measurable Skill Gains in ESL: 40%

<table>
<thead>
<tr>
<th>Entering Educational Functioning\Level</th>
<th>Percentage of Periods of Participation with Measurable Skill Gains</th>
<th>+/- Difference in Measurable Skill Gains</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABE Total</td>
<td>34%</td>
<td>-8%</td>
</tr>
<tr>
<td>ESL Total</td>
<td>28%</td>
<td>-12%</td>
</tr>
<tr>
<td>Grand Total</td>
<td>30%</td>
<td>-10%</td>
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</tbody>
</table>

Educational agencies have a net -10% difference in Measurable Skill Gains, overall.

State target for Post Testing Rate: 70%

<table>
<thead>
<tr>
<th>Entering Educational Functioning\Level</th>
<th>Post Testing Rate</th>
<th>+/- Difference in Post Testing Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABE Total</td>
<td>41%</td>
<td>-29%</td>
</tr>
<tr>
<td>ESL Total</td>
<td>52%</td>
<td>-18%</td>
</tr>
<tr>
<td>Grand Total</td>
<td>47%</td>
<td>-24%</td>
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</tbody>
</table>

Educational agencies have a net -24% difference towards state targets in post-testing.
Let’s Reflect

How do we move our data towards achieving our goal?

Where do we start?

What resources are available to support us in this objective?

How do we know we are going in the right direction?

Keep You Eye on the Prize

Process Strategy for Moving Your Data

Target Instructional Content

Monitor Progress

Intervene or Sustain Progress

The Matrix Suite
Further Matrix Development

THE MATRIX SUITE

Core Matrices

It’s time to unpack your gift!
### STRATEGY 1

**Core Matrices**

#### Adult Basic Education Mathematics Curriculum Matrix

<table>
<thead>
<tr>
<th>Domain</th>
<th>NRS Level 1</th>
<th>NRS Level 2</th>
<th>NRS Level 3</th>
<th>NRS Level 4</th>
<th>NRS Level 5/6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number and Operations</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Fractions and Decimals</td>
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<tr>
<td>Ratios and Proportions</td>
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<td>Percentages</td>
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<tr>
<td>Linear Equations</td>
<td></td>
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<tr>
<td>Functions</td>
<td></td>
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<tr>
<td>Data Analysis and Probability</td>
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<tr>
<td>Personal Finance</td>
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<tr>
<td>Preparation for the Workforce</td>
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<tr>
<td>Mathematics in Society</td>
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<tr>
<td>etc.</td>
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</tbody>
</table>

*Presented by: June Rall, Maria Gutierrez and Ronald Cruz*
### Core Matrices

#### Adult Basic and Adult Secondary Education Reading Curriculum Matrix

<table>
<thead>
<tr>
<th>Domain</th>
<th>NRS Level 1</th>
<th>NRS Level 2</th>
<th>NRS Level 3</th>
<th>NRS Level 4</th>
<th>NRS Level 5/6</th>
</tr>
</thead>
<tbody>
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<td></td>
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</tbody>
</table>

#### Adult Basic and Adult Secondary Education Language Curriculum Matrix

<table>
<thead>
<tr>
<th>Domain</th>
<th>NRS 1</th>
<th>NRS 2</th>
<th>NRS 3</th>
<th>NRS 4</th>
<th>NRS 5/4</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

#### GED Mathematical Reasoning PLD Matrix

<table>
<thead>
<tr>
<th>Domain</th>
<th>Level 1: Below Passing Level (0-25% Cumulative)</th>
<th>Level 2: Passing (26-69% Cumulative)</th>
<th>Level 3: College Ready (60% Cumulative)</th>
<th>Level 4: College Ready + Credit (70%)</th>
</tr>
</thead>
<tbody>
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</table>

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In mathematics, equality is defined as a relationship between two groups representing the same quantity. We use the equal sign (=) to represent this type of relationship. It is also important to know the various uses of the equal sign.

Another quick strategy for addition and subtraction is using the relationship between the two. Let’s say, we start with a number, 16. What will happen when we add a number, like 3, and then, subtract the same number, 3, from the result?

Resource Activities

### Components:
- Concept
- Practice Activities
- Answer Key
- Additional Resources
- References/Credits
Matrix Overlays

Level E

Level M

Level D

Level A

All Levels

TABE Overlay to GED Crosswalk

ABE Domains | NRS Level 5/6 | Area | GED Domains
---|---|---|---
Geometry
Number and Quantity
Statistics and Probability
The Real Number System
Algebra
Functions

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### Practice Activities

**Highlights:**
- Alignment to CCRS
- Alignment to Standardized Assessments
  - Real-Life Word Problems
  - Standard Item Types
  - Standard Item Format
  - Graphs and Illustrations
  - Technology Enhanced Capabilities

### Individualized Student Plans

**Highlights:**
- Derived from TABE 11&12 Test and Blueprints
- Test Level
- Emphasis Level
- Domain Percentage
- Standard Group
- Checklist Format
- Live Document
- Promotes Student Buy-In
STRATEGY 3

Field Test Implementation
- SME will be assigned for the Field per district
- Field tests will be conducted within a term
- Agencies will field test the use of the Matrix Suite to close gaps revealed by the Individualized Student Plans.
Electronic Curriculum Matrix

What is it?
The Electronic Curriculum Matrix is an online lookup tool that dynamically returns information and resources that are correlated to adult education framework standards.

Why is it needed?
The Electronic Curriculum Matrix removes the hassle of having to figure out what aligns with what. It provides users with simple selectable criteria options that make finding results easy.
Select a Type of Matrix
The Electronic Curriculum Matrix allows the user the ability to select one of the seven (7) matrix types of interest.

Select a Domain
The selections will automatically adjust to filter and display valid options based on the previous selections.

How It Works:
STEP 1
Select a Type of Matrix
Matrix Type: ABE Mathematics
- ABE Mathematics
- ABE Reading
- ABE Language Arts
- GED Mathematics
- GED Language Arts
- GED Social Studies
- GED Science

How It Works:
STEP 2
Select a Domain
Domain:
1. Number & Operations: Base Ten
2. Operations & Algebraic Thinking
3. Measurement & Data
4. Geometry
5. Number & Operations: Fractions
6. Expressions & Equations
7. The Number System
8. Ratios & Proportional Relationships
The selections will automatically adjust to filter and display valid options based on the previous selections.

**Select a NRS Level**
The selections will automatically adjust to filter and display valid options based on the previous selections.

- NRS Level 1
- NRS Level 2
- NRS Level 3
- NRS Level 4
- NRS Level 5/6

**Search Results:**
Results of information and resources are listed for download.

<table>
<thead>
<tr>
<th>Standards</th>
<th>Resources</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organize, Represent, and Interpret 3 Categories of Data</td>
<td>Resource Activity Download</td>
</tr>
<tr>
<td>Indirectly Measure Lengths through Iteration</td>
<td>Resource Activity Download</td>
</tr>
</tbody>
</table>
What To Expect!

Launch Date
The Electronic Curriculum Matrix is due to launch Fall of 2019

How Do I Find It?
The Electronic Curriculum Matrix is accessed online at www.floridaipdae.org Simply click on the Curriculum Matrix option from the home page.

REINFORCING CONTINUOUS PROGRAM DEVELOPMENT
Generalized Framework

- Core Matrices
- Matrix Versions
- Matrix Overlays
- Tech Enhancements

Standards and Curricula
- Resource Activities
- Practice Activities
- Student Plans
- Tech Enhancements

Planning and Instruction
- Matrix Overlays
- Practice Activities
- Student Plans
- Tech Enhancements

Intervention and Reflection
- Matrix Overlays
- Resource Activities
- Practice Activities
- Student Plans
- Tech Enhancements

Assessment
- Core Matrices
- Matrix Versions
- Matrix Overlays
- Tech Enhancements

WIOA Requirements & CTE

I. Incorporating Level 5/6 to ABE Matrices

II. Development of the Crosswalk to GED

II. Development of the CTE Overlays
ACCOUNTABILITY

- Enrollment
- Attendance and Retention
- Performance
- Completion
- Transition

Focus on the factors that significantly impact your program’s performance.

SUSTAINING THE EFFORT
The Google Classroom

- Get updates on new and upcoming Matrix Resources
- Get alerts on upcoming professional development opportunities related to the Matrix Suite

Google Classroom

- Learn different applications of Matrix Resources
- Download this presentation
- Download the Matrix Suite
- Transfer of Learning Activities
• Connect with other leaders
• Collaborate with others while using the Matrix Suite
• Engage in problem-solving activities leveraging the Matrix Suite

Please download the Google Classroom App from your App Store or Google Play.
The Google Classroom

Tap on the “+” sign on the top right corner of the screen and select “Join Class.” To join class, enter the class code below:

Sustaining the Effort

- Face-to-Face Workshops
- Webinars
- Communities of Practice
- Transfer of Learning
- Assistance Center
- EDM
- New and/or Updated Instructional Resources
- Administrator Portal Reports
- Electronic Matrices
Putting the Face on Data

Thank You

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Thank you for your participation!