

Introduction to IPDAE's Matrix Suite for ABE and GED

March 4, 2020

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This training event is supported with federal funds as appropriated to the Florida Department of Education, Division of Career and Adult Education for the provision of state leadership professional development activities.



Your Facilitator

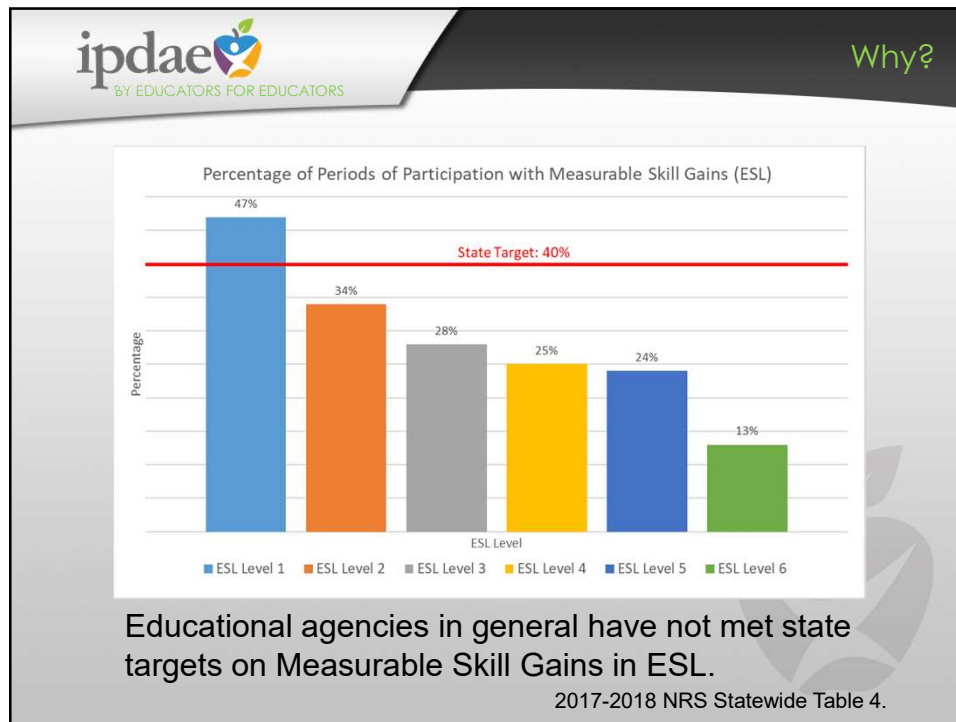


- Christina Mer
- Henry Marcel
- Christi Stilley
- Sam Rodrigue

Ronald Allan Cruz, M.Ed.
Coordinator
CARIBE Refugee Program
Hillsborough County Public Schools
Adult Education
ronaldallan.cruz@sdhc.k12.fl.us

Statewide Trainer/Facilitator
Ace of Florida and IPDAE
rcruz@floridaipdae.org

National Trainer
GED® Testing Service




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Why?

State target for Measurable Skill Gains in ABE: 42%
State target for Measurable Skill Gains in ESL: 40%

Entering Educational Functioning\Level	Percentage of Periods of Participation with Measurable Skill Gains	+/- Difference in Measurable Skill Gains
ABE Total	34%	-8%
ESL Total	28%	-12%
Grand Total	30%	

2017-2018 NRS Statewide Table 4.


Why?

State target for Post Testing Rate: 70%

Entering Educational Functioning\Level	Post Testing Rate	+/- Difference in Post Testing Rate
ABE Total	41%	-29%
ESL Total	52%	-18%
Grand Total	47%	-24%

Educational agencies have a net **-24%** difference towards state targets in post-testing.

2017-2018 NRS Statewide Table 4.


Keep Your Eye on the Prize


Process Strategy for Moving Your Data



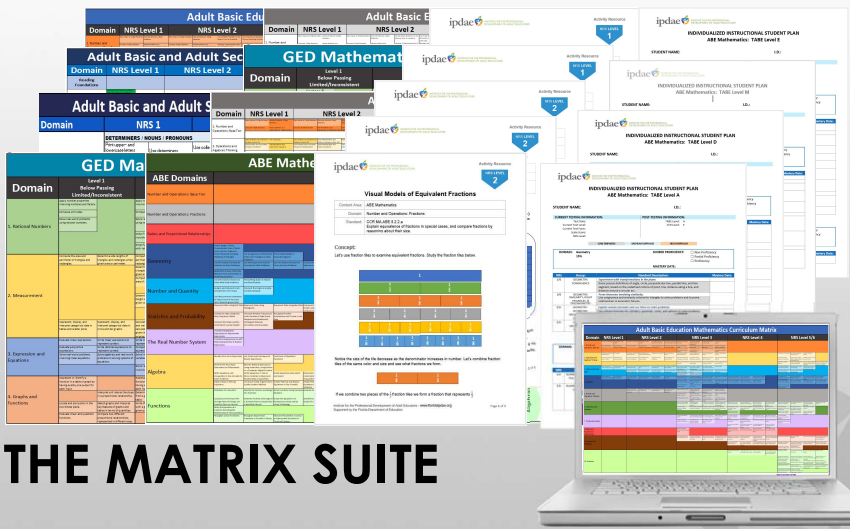
The Matrix Suite

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Further Matrix Development



THE MATRIX SUITE

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Core Matrices



It's time to unpack your gift!



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Target
Instructional
Content

STRATEGY 1

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Core Matrices 

Adult Basic Education Mathematics Curriculum Matrix

Domain	NRS Level 1	NRS Level 2	NRS Level 3	NRS Level 4	NRS Level 5/6
1. Number and Operations: Base Ten					
2. Operations and Algebraic Thinking					
3. Fractions and Decimals					
4. Geometry					
5. Number and Operations: Fractions					
6. Expressions and Equations					
7. The Number System					
8. Ratios and Proportional Relationships					
9. Statistics and Probability					
10. Functions					

- Summarizes the College and Career Readiness Standards in an intuitive format
- Shows the big picture
- Organized standards by level, domain and content group for differentiation and scaffolding
- Useful for planning, collaboration, professional development and progress monitoring

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Core Matrices

Domain	NRS Level 1	NRS Level 2	NRS Level 3	NRS Level 4	NRS Levels 5/6
Reading Foundations					
Phonological Awareness					
Fluency and Word Recognition					
Reading Comprehension					
Key Ideas and Details (Anchor Standard 1, 2, 3)					
Text and Media (Anchor Standard 4, 5, 6)					
Integration of Knowledge and Skills (Anchor Standard 7, 8)					
Assess (Anchor Standard 9)					
Read and Comprehend (Anchor Standard 10)					

Domain	NRS 1	NRS 2	NRS 3	NRS 4	NRS 5/6
DETERMINERS / NOUNS / PRONOUNS	<p>Form upper- and lowercase letters</p> <p>Use singular and plural nouns with matching verbs</p> <p>Use common, proper, and possessive nouns</p> <p>Use personal, possessive, and reflexive pronouns</p>	<p>Use determiners</p> <p>Use collective nouns</p> <p>Use abstract nouns</p> <p>Use reflexive pronouns</p> <p>Explain the function of nouns and pronouns</p>	<p>Form nouns and pronouns in the progressive and imperative plural</p> <p>Use relative pronouns</p>	<p>Ensure that pronouns are in the proper case</p> <p>Correct vague pronouns</p> <p>Use intensive pronouns</p> <p>Recognize and correct inappropriate shifts in person, number, and person</p>	
VERBS	<p>Use frequently occurring verbs</p> <p>Use singular and plural verbs with matching subjects</p> <p>Use verbs in past, present, and future tense</p>	<p>Form and use regular and irregular verbs</p> <p>Explain the function of verbs</p>	<p>Form and use the progressive verb</p> <p>Use verbs to connect the sequence, time, and condition</p> <p>Use modal auxiliaries</p>	<p>Form and use past verb tenses</p> <p>Explain the function of verbs</p> <p>Formulate verbs in the active and passive voice</p>	<p>Recognize and correct inappropriate shifts in verb voice and mood</p>
ADJECTIVES / ADVERBS	<p>Use frequently occurring adjectives</p>	<p>Explain the function of adjectives and adverbs</p> <p>Form and use comparative and superlative adjectives</p>	<p>Use relative adverbs</p> <p>Form and use comparative and superlative adjectives</p>	<p>Order adjectives within sentences</p>	
PREPOSITIONS / CONJUNCTIONS / CORRELATIVE CONJUNCTIONS / INTERJECTIONS	<p>Use frequently occurring prepositions</p>	<p>Explain the function of prepositions</p> <p>Form and use frequently combined prepositions</p> <p>Use correlative conjunctions</p>	<p>Form and use prepositional phrases</p> <p>Explain the function of conjunctions</p>		
SENTENCE STRUCTURE	<p>Use question words</p> <p>Produce and expand simple sentences</p> <p>Produce and expand compound sentences</p>	<p>Produce, expand, and use simple, compound, and complex sentences</p> <p>Produce, expand, and use simple, compound, and complex sentences</p> <p>Produce, expand, and use simple, compound, and complex sentences</p>	<p>Produce complex sentences, covering appropriate fragments and run-ons</p> <p>Produce simple, compound, and complex sentences</p>	<p>Place phrases and clauses within a sentence, covering misplacement and dangling modifiers</p> <p>Recognize variations</p>	<p>Use parallel structure</p> <p>Use verb phrases</p>

CONVENTIONS OF STANDARD ENGLISH

Language Anchor 1:
English grammar & usage;
Language Anchor 2:
Capitalization, punctuation & spelling

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CONVENTIONS OF STANDARD ENGLISH
Language Anchor 1: English grammar and usage;
Language Anchor 2: Capitalization, punctuation and style

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Core Matrices

GED Mathematical Reasoning PLD Matrix

Domain	Level 1 Below Passing Limited/Inconsistent	Level 2 Passing (HS Equivalency) Satisfactory	Level 3 College Ready Strong	Level 4 College Ready + Credit Outstanding
1. Rational Numbers	<p>Identify number properties involving multiples and factors.</p> <p>Compare unit rates.</p> <p>Use the order of operations to solve real-world problems using rational numbers.</p> <p>Order fractions and decimals, including a number line.</p> <p>Simplify numerical expressions with rational numbers.</p> <p>Compare the area and perimeter of rectangles and triangles.</p> <p>Determine the side length of a square and rectangles from area and perimeter.</p> <p>Calculate the area and perimeter of rectangles and triangles.</p> <p>Calculate the surface area and volume of rectangular prisms.</p> <p>Calculate the area and perimeter of circles.</p> <p>Calculate the surface area and volume of cylinders.</p> <p>Calculate the area and perimeter of trapezoids.</p> <p>Calculate the area and perimeter of polygons.</p> <p>Calculate the area and perimeter of composite figures.</p> <p>Calculate the area and perimeter of similar figures.</p> <p>Calculate the area and perimeter of congruent figures.</p> <p>Calculate the area and perimeter of similar solids.</p> <p>Calculate the area and perimeter of similar figures.</p> <p>Calculate the area and perimeter of similar solids.</p> <p>Calculate the area and perimeter of similar figures.</p> <p>Calculate the area and perimeter of similar solids.</p> <p>Calculate the area and perimeter of similar figures.</p> <p>Calculate the area and perimeter of similar solids.</p> <p>Calculate the area and perimeter of similar figures.</p> <p>Calculate the area and perimeter of similar solids.</p> <p>Calculate the area and perimeter of similar figures.</p> <p>Calculate the area and perimeter of similar solids.</p> <p>Calculate the area and perimeter of similar figures.</p> <p>Calculate the area and perimeter of similar solids.</p> <p>Calculate the area and perimeter of similar figures.</p> <p>Calculate the area and perimeter of similar solids.</p> <p>Calculate the area and perimeter of similar figures.</p> <p>Calculate the area and perimeter 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ABE Mathematics Crosswalk to GED Matrix				
ABE Domains	NRS Level 5/6	Major Works	Area	GED Domains
Number and Operations: Base Ten			Quantitative Problem Solving	1. Rational Numbers
Number and Operations: Fractions				
Ratios and Proportional Relationships				
Geometry	<p>Identify angles that form a line, a right angle, a straight line, or other angles. Understand that angles around a point are additive. Understand that angles on a straight line, angles around a point, and angles that form a full circle are additive. Understand that angles that form a straight line, angles around a point, and angles that form a full circle are additive.</p> <p>Understand that the sum of the interior angles of a triangle is 180 degrees. Understand that the sum of the interior angles of a quadrilateral is 360 degrees. Understand that the sum of the interior angles of a pentagon is 540 degrees. Understand that the sum of the interior angles of a hexagon is 720 degrees. Understand that the sum of the interior angles of a heptagon is 900 degrees. Understand that the sum of the interior angles of an octagon is 1080 degrees. Understand that the sum of the interior angles of a nonagon is 1260 degrees. Understand that the sum of the interior angles of a decagon is 1440 degrees. Understand that the sum of the interior angles of an undecagon is 1620 degrees. Understand that the sum of the interior angles of a dodecagon is 1800 degrees.</p> <p>Understand that the area of a rectangle is length times width. Understand that the area of a parallelogram is base times height. Understand that the area of a triangle is one-half times base times height. Understand that the area of a trapezoid is one-half times the sum of the bases times height. Understand that the area of a circle is pi times the radius squared. Understand that the area of a sector of a circle is one-half times pi times the radius squared times the central angle in radians. Understand that the area of a segment of a circle is the area of the sector minus the area of the triangle formed by the radii and the chord. Understand that the area of a ring is pi times the difference of the squares of the outer and inner radii. Understand that the area of a circular disk is pi times the radius squared. Understand that the area of a circular sector is one-half times pi times the radius squared times the central angle in radians. Understand that the area of a circular segment is the area of the sector minus the area of the triangle formed by the radii and the chord. Understand that the area of a circular ring is pi times the difference of the squares of the outer and inner radii. Understand that the area of a circular disk is pi times the radius squared. Understand that the area of a circular sector is one-half times pi times the radius squared times the central angle in radians. Understand that the area of a circular segment is the area of the sector minus the area of the triangle formed by the radii and the chord. Understand that the area of a circular ring is pi times the difference of the squares of the outer and inner radii.</p>	<p>Geometry</p> <p>Students apply geometric reasoning to solve problems involving area and perimeter. They understand that the area of a rectangle is length times width, and they can find the area of a parallelogram, triangle, and trapezoid. They understand that the area of a circle is pi times the radius squared, and they can find the area of a sector and a segment of a circle. They understand that the area of a ring is pi times the difference of the squares of the outer and inner radii, and they can find the area of a circular disk. They understand that the area of a circular sector is one-half times pi times the radius squared times the central angle in radians, and they can find the area of a circular segment. They understand that the area of a circular ring is pi times the difference of the squares of the outer and inner radii, and they can find the area of a circular disk.</p>		
Number and Quantity				
Statistics and Probability			Algebraic Problem Solving	3. Expression and Equations
The Real Number System				
Algebra				
Functions				
				4. Graphs and Functions

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Matrix Versions

GED Mathematical Reasoning Major Works Matrix


Domain	Level 1 Below Passing Limited/Inconsistent	Level 2 Passing (HS Equivalency) Satisfactory	Level 3 College Ready Strong	NRS Level 4 College Ready + Credit Outstanding
1. Rational Numbers	Factors & Multiples	Factors & Multiples	Rational Numbers	
	Rates	Rates	Applications of Ratios and Proportions	
	Rational Numbers	Real Numbers on a Number Line	Real Numbers on a Number Line	
		Rational Exponents	Rational Exponents	
2. Measurement	Area and Perimeter of Triangles and Rectangles	Area and Perimeter of Polygons and Composite Figures	Unknown Side Lengths of Polygons	
		Compute Volume and Surface Area of Prisms, Pyramids, Cylinders and Spheres	Radius, Diameter and Circumference of Circles	
		Unknown Side Lengths and Heights of Prisms, Pyramids and Cones	Radius, Diameter, Height, Volume and Surface Area of Cylinders	
	Tables and Scatter Plots	Median, Mode and Weighted Average	Permutations and Combinations	Permutations and Simple Compound Probability
3. Expression and Equations	Linear Expressions	Factoring Polynomials	Factoring Polynomials	
	Polynomial Expressions	Writing & Solving Quadratic Equations	Solving Quadratic Equations	
	Linear Equations	Graphing & Solving Linear Inequalities	Graphing & Solving Linear Inequalities	
	Representing Functions	Representing Functions	Representing Functions	
4. Graphs and Functions	Slope	Slope	Slope	
	The Coordinate Plane	Graphing Linear Equations	Graphing Linear Equations	
	Linear and Quadratic Functions	Comparing Functions	Comparing Functions	

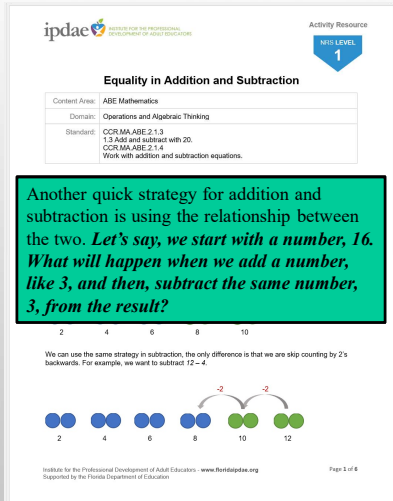
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Resource Activities 




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Highlights:

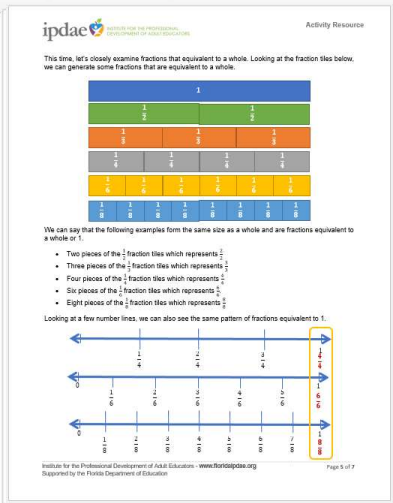
- Alignment to CCRS
- Alignment to Standardized Assessment
- Research Base
- Content Development
- Visual/Graphic Element
- Hands-On Approach
- Vocabulary Emphasis
- Reflective Prompts
- Developed by Florida Practitioners
- Simple yet versatile
- FREE and Reproducible

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Resource Activities 



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Components:

- Concept
- Practice Activities
- Answer Key
- Additional Resources
- References/Credits


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STRATEGY 2

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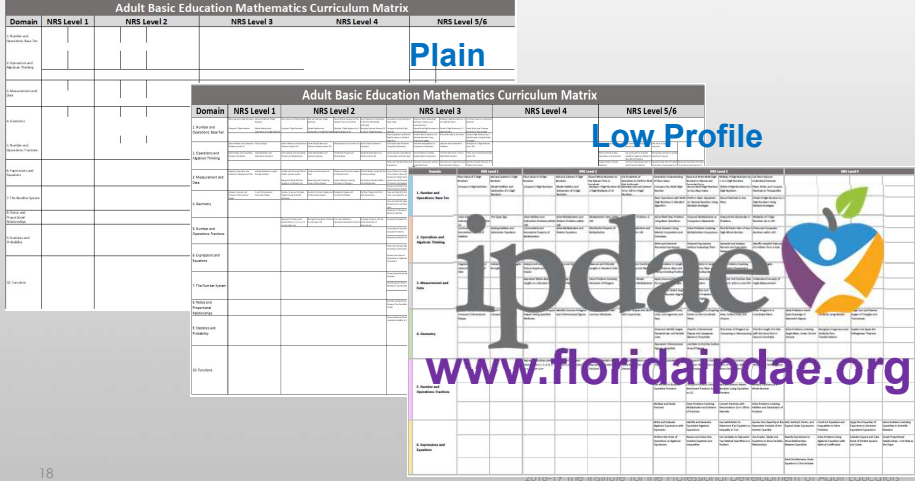
Matrix Versions 

ABE Mathematics

Clear

Plain

Low Profile



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Domain	NRS Level 1	NRS Level 2	NRS Level 3	NRS Level 4	NRS Level 5	NRS Level 6	NRS Level 7	NRS Level 8	NRS Level 9	NRS Level 10	NRS Level 11
1. Number and Operations: Base Ten	Place Value of 2-Digit Numbers Add and Subtract 2-Digit Numbers Compare 2-Digit Numbers	Place Value of 3-Digit Numbers Add and Subtract 3-Digit Numbers Compare 3-Digit Numbers	Place Value of 4-Digit Numbers Add and Subtract 4-Digit Numbers Compare 4-Digit Numbers	Place Value of 5-Digit Numbers Add and Subtract 5-Digit Numbers Compare 5-Digit Numbers	Place Value of 6-Digit Numbers Add and Subtract 6-Digit Numbers Compare 6-Digit Numbers	Place Value of 7-Digit Numbers Add and Subtract 7-Digit Numbers Compare 7-Digit Numbers	Place Value of 8-Digit Numbers Add and Subtract 8-Digit Numbers Compare 8-Digit Numbers	Place Value of 9-Digit Numbers Add and Subtract 9-Digit Numbers Compare 9-Digit Numbers	Place Value of 10-Digit Numbers Add and Subtract 10-Digit Numbers Compare 10-Digit Numbers	Place Value of 11-Digit Numbers Add and Subtract 11-Digit Numbers Compare 11-Digit Numbers	Place Value of 12-Digit Numbers Add and Subtract 12-Digit Numbers Compare 12-Digit Numbers
2. Operations and Algebraic Thinking	Solve Addition and Subtraction Problems within 100 Solving Addition and Subtraction Equations	Solve Addition and Subtraction Problems within 100 Solving Addition and Subtraction Equations	Solve Addition and Subtraction Problems within 100 Solving Addition and Subtraction Equations	Solve Addition and Subtraction Problems within 100 Solving Addition and Subtraction Equations	Solve Addition and Subtraction Problems within 100 Solving Addition and Subtraction Equations	Solve Addition and Subtraction Problems within 100 Solving Addition and Subtraction Equations	Solve Addition and Subtraction Problems within 100 Solving Addition and Subtraction Equations	Solve Addition and Subtraction Problems within 100 Solving Addition and Subtraction Equations	Solve Addition and Subtraction Problems within 100 Solving Addition and Subtraction Equations	Solve Addition and Subtraction Problems within 100 Solving Addition and Subtraction Equations	Solve Addition and Subtraction Problems within 100 Solving Addition and Subtraction Equations
3. Measurement and Data	Organize, Represent, and Interpret 3 Categories of Data Indirectly Measure Lengths through Iteration	Analyze and Generate Pictographs and Bar Graphs Represent Whole Number Lengths on a Number Line	Analyze and Generate Pictographs and Bar Graphs Represent Whole Number Lengths on a Number Line	Analyze and Generate Pictographs and Bar Graphs Represent Whole Number Lengths on a Number Line	Analyze and Generate Pictographs and Bar Graphs Represent Whole Number Lengths on a Number Line	Analyze and Generate Pictographs and Bar Graphs Represent Whole Number Lengths on a Number Line	Analyze and Generate Pictographs and Bar Graphs Represent Whole Number Lengths on a Number Line	Analyze and Generate Pictographs and Bar Graphs Represent Whole Number Lengths on a Number Line	Analyze and Generate Pictographs and Bar Graphs Represent Whole Number Lengths on a Number Line	Analyze and Generate Pictographs and Bar Graphs Represent Whole Number Lengths on a Number Line	Analyze and Generate Pictographs and Bar Graphs Represent Whole Number Lengths on a Number Line
4. Geometry	Analyze, Compare, and Classify 2-Dimensional Shapes Identify Common Polygons and 3-Dimensional Figures	Analyze, Compare, and Classify 2-Dimensional Shapes Identify Common Polygons and 3-Dimensional Figures	Analyze, Compare, and Classify 2-Dimensional Shapes Identify Common Polygons and 3-Dimensional Figures	Analyze, Compare, and Classify 2-Dimensional Shapes Identify Common Polygons and 3-Dimensional Figures	Analyze, Compare, and Classify 2-Dimensional Shapes Identify Common Polygons and 3-Dimensional Figures	Analyze, Compare, and Classify 2-Dimensional Shapes Identify Common Polygons and 3-Dimensional Figures	Analyze, Compare, and Classify 2-Dimensional Shapes Identify Common Polygons and 3-Dimensional Figures	Analyze, Compare, and Classify 2-Dimensional Shapes Identify Common Polygons and 3-Dimensional Figures	Analyze, Compare, and Classify 2-Dimensional Shapes Identify Common Polygons and 3-Dimensional Figures	Analyze, Compare, and Classify 2-Dimensional Shapes Identify Common Polygons and 3-Dimensional Figures	Analyze, Compare, and Classify 2-Dimensional Shapes Identify Common Polygons and 3-Dimensional Figures
5. Number and Operations: Fractions	Represent Fractions with Denominators 2, 3, 4, 6, or 8 on a Number Line	Represent Fractions with Denominators 2, 3, 4, 6, or 8 on a Number Line	Represent Fractions with Denominators 2, 3, 4, 6, or 8 on a Number Line	Represent Fractions with Denominators 2, 3, 4, 6, or 8 on a Number Line	Represent Fractions with Denominators 2, 3, 4, 6, or 8 on a Number Line	Represent Fractions with Denominators 2, 3, 4, 6, or 8 on a Number Line	Represent Fractions with Denominators 2, 3, 4, 6, or 8 on a Number Line	Represent Fractions with Denominators 2, 3, 4, 6, or 8 on a Number Line	Represent Fractions with Denominators 2, 3, 4, 6, or 8 on a Number Line	Represent Fractions with Denominators 2, 3, 4, 6, or 8 on a Number Line	Represent Fractions with Denominators 2, 3, 4, 6, or 8 on a Number Line


These group or individual student profiles also help in developing **formative assessments** to determine mastery of each standard.

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Matrix Versions

Adult Basic Education Mathematics Curriculum Matrix					
Domain	NRS Level 1	NRS Level 2	NRS Level 3	NRS Level 4	NRS Level 5/6
1. Number and Operations: Base Ten	P. 11-15		Multiplication Table		
2. Operations and Algebraic Thinking	Worksheet 10.1		MathDude.com		
3. Measurement and Data	P. 24-28				
4. Geometry	Activity 2		Geoboards		
5. Number and Operations: Fractions	Fraction Tiles		KhanAcademy.com		P. 47-59
6. Expressions and Equations	PurpleMath.com		Worksheet 12.5		
7. The Number System	IXL.com		Scale Drawings & Floor Plans		
8. Ratio and Proportional Relationships			Algebra Tiles		
9. Statistics and Probability			P. 65-75		
10. Functions					Worksheet 20.4





Matrix Versions 

Domain	NRS Level 1	NRS Level 2	NRS Level 3	NRS Level 4	NRS Level 5/6
1. Number and Operations: Base Ten	Aug. 1-5	Aug. 8-11			
2. Operations and Algebraic Thinking	Aug. 12	Aug. 15-18	Aug. 21-25		
3. Measurement and Data	Aug. 19	Sept. 7-12	Sept. 15-19		
4. Geometry			Sept. 22-26		
5. Number and Operations: Fractions			Oct. 1-4		
6. Expressions and Equations					
7. The Number System					
8. Ratios and Proportional Relationships					
9. Statistics and Probability					
10. Functions					

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Matrix Overlays 

TABE Overlays

Domain	NRS Level 1	NRS Level 2	NRS Level 3	NRS Level 4	NRS Level 5/6
1. Number and Operations: Base Ten	Level E	Level M			
2. Operations and Algebraic Thinking	Level D	Level A			
3. Measurement and Data					
4. Geometry					
5. Number and Operations: Fractions					
6. Expressions and Equations					
7. The Number System					
8. Ratios and Proportional Relationships					
9. Statistics and Probability					
10. Functions					


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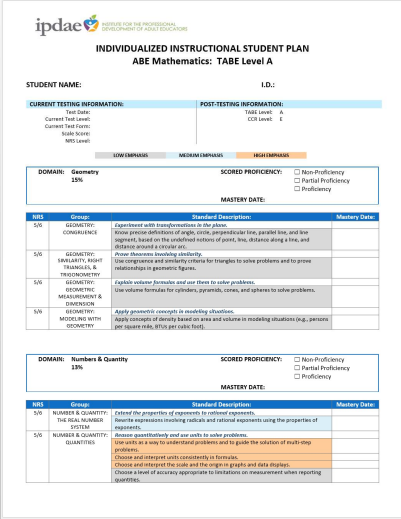
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Individualized Student Plans






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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

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**Intervene or
Sustain
Progress**


STRATEGY 3

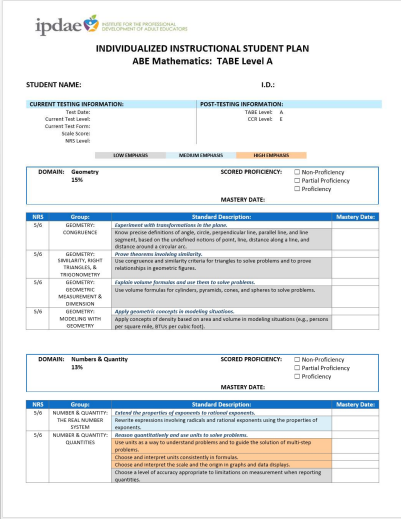
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Individualized Student Plans





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INDIVIDUALIZED INSTRUCTIONAL STUDENT PLAN
ABE Mathematics: TABE Level A

STUDENT NAME: _____ I.D.: _____

CURRENT TESTING INFORMATION:

Test Code: _____

Current Test Date: _____

Score: _____

NES Level: _____

POST-TESTING INFORMATION:

Test Code: _____

Current Test Date: _____

Score: _____

NES Level: _____

DOMAIN: Geometry
33%

SCORED PROFICIENCY:

☐ Non-Proficiency

☐ Partial Proficiency

☐ Proficiency

MASTERY DATE: _____

NES	Group	Standard Description	Mastery Date
1/0	GEOMETRY: CONGRUENCE	Explain and justify transformations in the plane. Know precise definitions of angle, circle, perpendicular line, parallel line, and line segments, based on the undefined notions of point, line, distance along a line, and distance around a circle, etc.	
1/0	GEOMETRY: SIMILARITY, RIGHT TRIANGLES, & TRIGONOMETRY	Prove theorems involving similarity. Use congruence and similarity criteria for triangles to solve problems and to prove relationships in geometric figures.	
1/0	GEOMETRY: GEOMETRY: MEASUREMENT & DIMENSIONS	Explain and justify formulas and use them to solve problems. Use volume formulas for prisms, cylinders, cones, and spheres to solve problems.	
1/0	GEOMETRY: GEOMETRY: MODEL THE WORLD	Apply geometric concepts in modeling situations. Apply concepts of density based on area and volume in modeling situations (e.g., persons per square mile, BTU per cubic foot).	

DOMAIN: Numbers & Quantity
33%

SCORED PROFICIENCY:

☐ Non-Proficiency

☐ Partial Proficiency

☐ Proficiency

MASTERY DATE: _____


NES	Group	Standard Description	Mastery Date
1/0	NUMBERS & QUANTITY: THE REAL NUMBER SYSTEM	Extend the properties of exponents to rational exponents. Rewrite expressions involving radicals and rational exponents using the properties of exponents.	
1/0	NUMBERS & QUANTITY: QUANTITIES	Reason quantitatively and use units to solve problems. Use units as a way to understand problems and to guide the solution of multi-step problems. Choose and interpret units consistently in formulas. Choose and interpret the scale and the origin in graphs and data displays. Choose a level of accuracy appropriate to limitations on measurement when reporting quantities.	

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.

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ELECTRONIC MATRIX

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Electronic Curriculum Matrix **Overview**


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.


How It Works: **STEP 1**

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.

Matrix Type:

- ABE Mathematics
- ABE Reading
- ABE Language Arts
- GED Mathematics
- GED Language Arts
- GED Social Studies
- GED Science


How It Works: **STEP 2**

Matrix Type: **ABE Mathematics** ▼

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

Domain: **Select a 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

How It Works: **STEP 3**


Matrix Type: **ABE Mathematics** ▼

Domain: **3. Measurement & Data** ▼

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

NRS Level: **Select a NRS Level** ▼

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

How It Works: **STEP 4**



Matrix Type: **ABE Mathematics** ▼


Domain: **3. Measurement & Data** ▼

NRS Level: **NRS Level 1** ▼

Search Results:

Results of information and resources are listed for download.

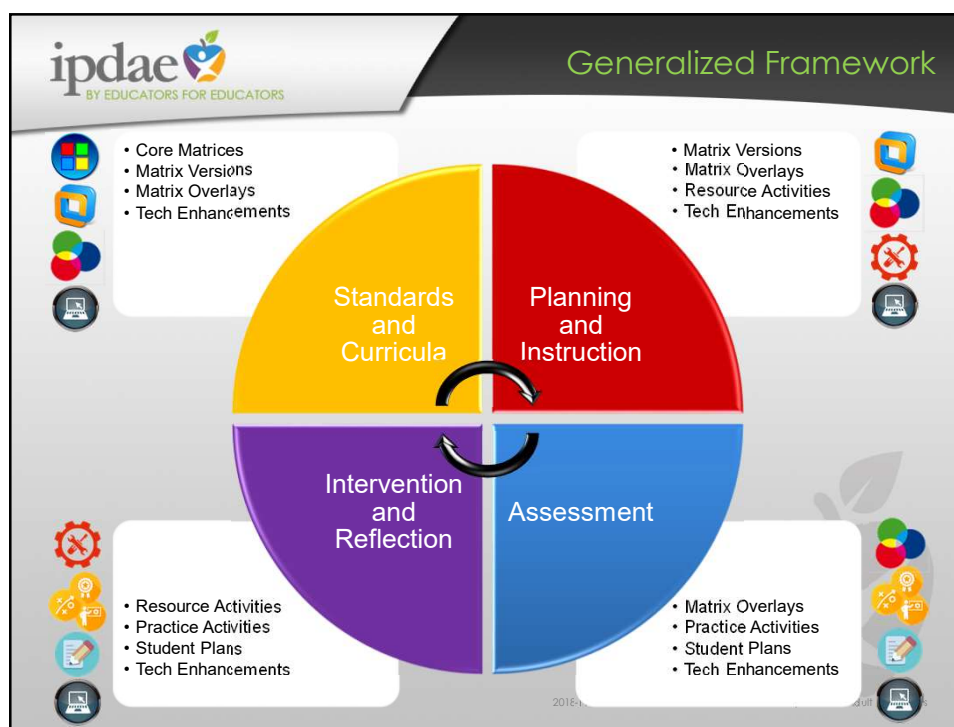
Standards	Resources
• Organize, Represent, and Interpret 3 Categories of Data	 Resource Activity Download
• Indirectly Measure Lengths through Iteration	 Resource Activity Download


Electronic Curriculum Matrix

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.





WIOA Requirements & CTE

I. Incorporating Level 5/6 to ABE Matrices

Domain	NRS Level 1	NRS Level 2	NRS Level 3	NRS Level 4	NRS Level 5/6
1. Number and Quantity					
2. Algebra					
3. Geometry					
4. Statistics and Probability					
5. Mathematical Practices					

II. Development of the Crosswalk to GED


ABE Domains	NRS Level 5/6	Major Math Area	GED Domains
Number and Operations: Base Ten		1. Number and Quantity	
Number and Operations: Fractions			
Number and Operations: Real Numbers			
Algebra			
Geometry			
Statistics and Probability			

II. Development of the CTE Overlays

Domain	NRS Level 1	NRS Level 2	NRS Level 3	NRS Level 4	NRS Level 5/6
1. Number and Quantity					
2. Algebra					
3. Geometry					
4. Statistics and Probability					
5. Mathematical Practices					

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WIOA Requirements & CTE

ACCOUNTABILITY


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



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



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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



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The Last Word

Putting the Face on Data



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