ipdae INSTITUTE FOR THE PROFESSIONAL DEVELOPMENT OF ADULT EDUCATORS

Understanding and Applying the TABE 11&12 Overlay to the ABE Math Curriculum Matrix

January 16, 2019

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Statewide Trainer/Facilitator
for ABE, GED & ESOL
Florida IPDAE
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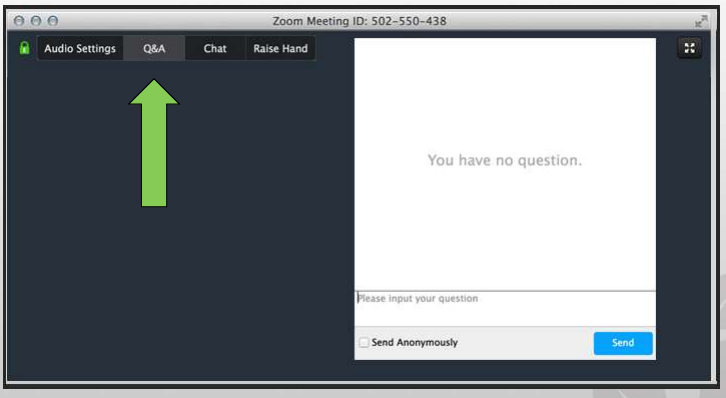
(772) 462-7409

Webinar Things to Remember

- If you have a question, please type it into the **Q&A** option.



- Attendee microphones will be muted. You will be in **listen only** mode.
- Today's presentation is being **recorded**. It will be archived and available on the IPDAE website within 48 hours.

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Agenda

I. Instructional Challenges with TABE 11 & 12
II. What's Out There?
III. The TABE 11 & 12 Overlay
IV. Features of the TABE 11 & 12 Overlay
V. Applications of the TABE 11 & 12 Overlay
VI. How to Download and Print
VII. Exciting Add-Ons in Development
VIII. Q&A
IX. Evaluation

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TABE TABE 11/12

INSTRUCTIONAL CHALLENGES WITH TABE 11&12

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Open Discussion

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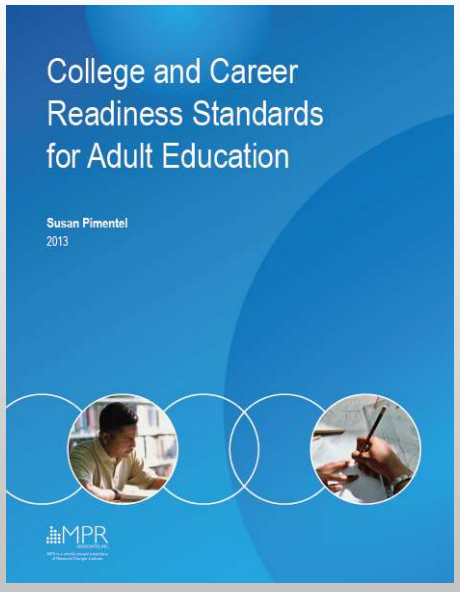
What's Out There?



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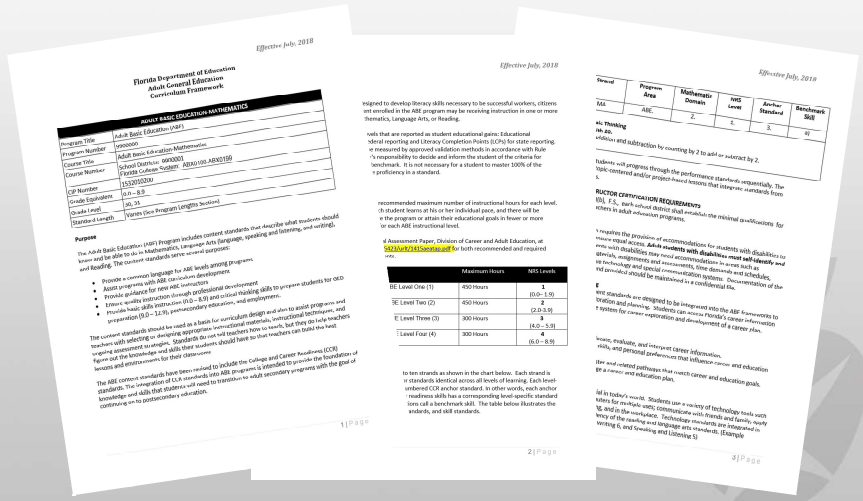
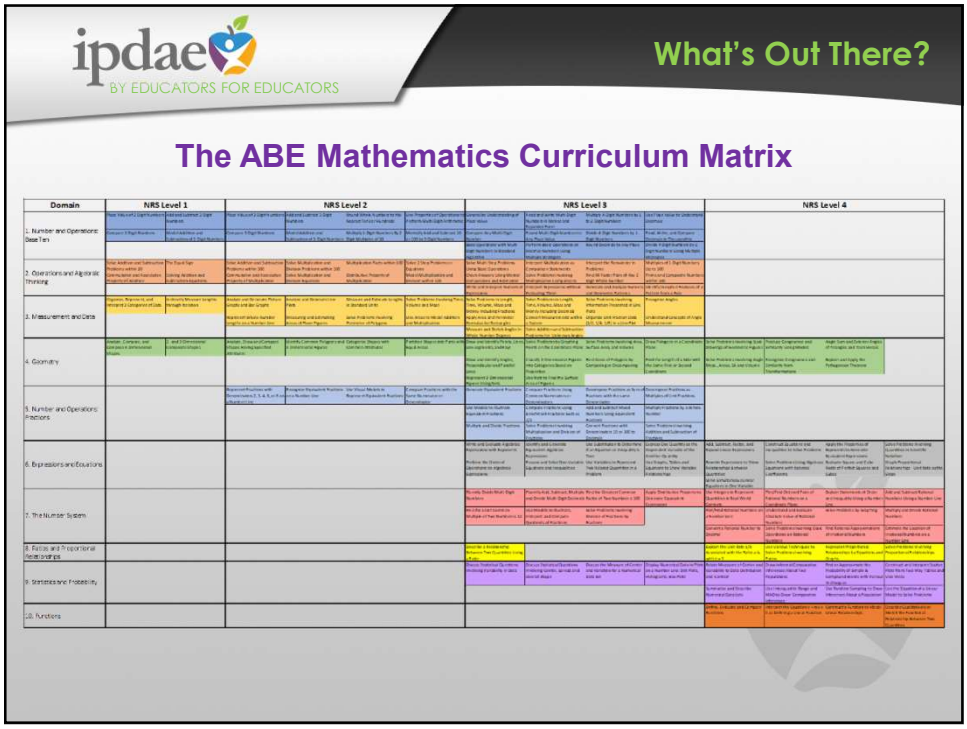
What's Out There?

The ABE Mathematics Curriculum Frameworks

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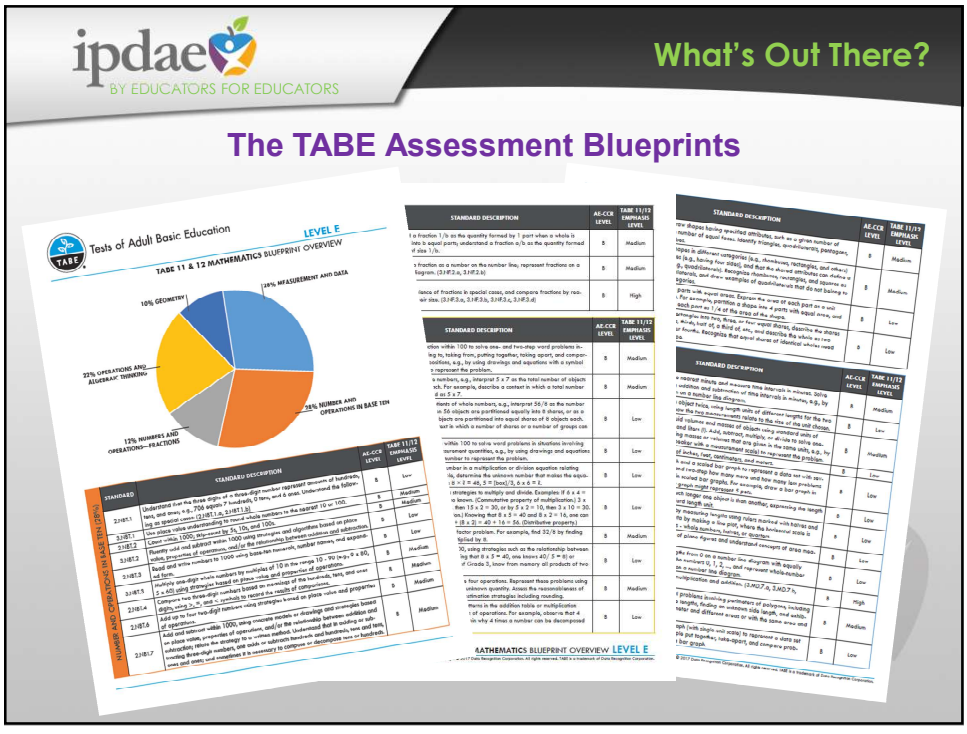
What's Out There?
The ABE Mathematics Curriculum Matrix
Domain
NRS Level 1
NRS Level 2
NRS Level 3
NRS Level 4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What's Out There?
The TABE Assessment Blueprints
Tests of Adult Basic Education
LEVEL E
TABE 11 & 12 MATHEMATICS BLUEPRINT OVERVIEW
28% MEASUREMENT AND DATA
25% NUMBER AND OPERATIONS IN BASE TEN
22% OPERATIONS AND ALGEBRAIC THINKING
15% NUMBERS AND OPERATIONS—FRACTIONS
10% GEOMETRY
NUMBER AND OPERATIONS IN BASE TEN (25%)
STANDARD
STANDARD DESCRIPTION
AE-CCR LEVEL
TABE 11/12 EMPHASIS LEVEL
MATHEMATICS BLUEPRINT OVERVIEW LEVEL E

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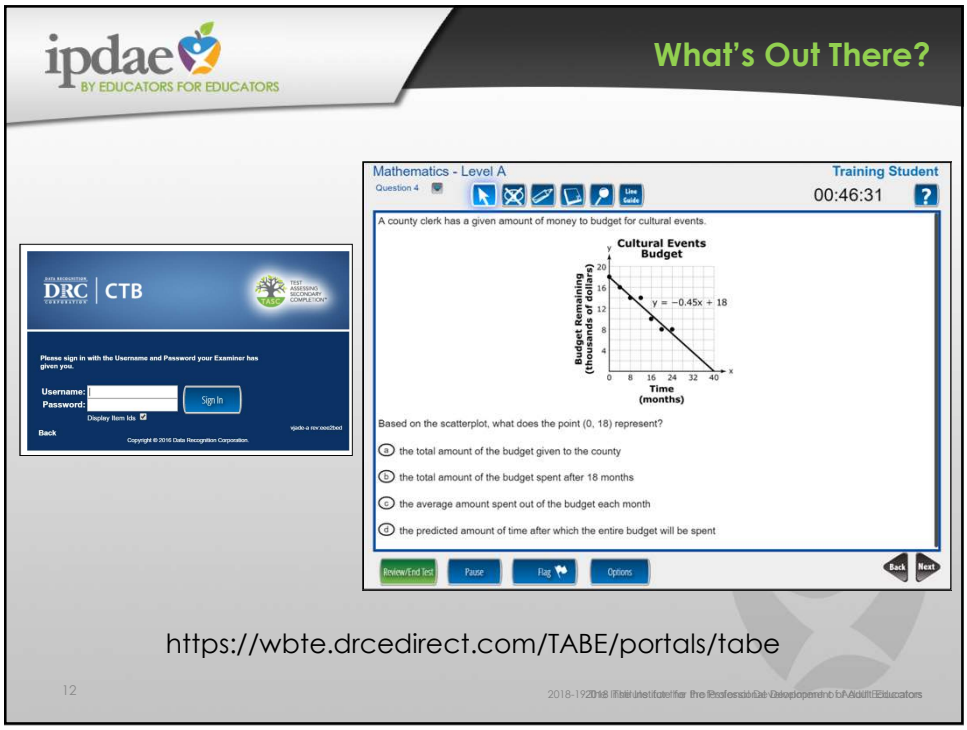
What's Out There?
Publisher Resources, Correlations and Alignments
Scoreboost for TABE
11&12 LEVEL M
TABE® Tutor Correlations
TABE® 11/12 Curriculum Guide
TABE 11 & 12 Transition Toolkits
MATHEMATICS
Skills Practice Crosswalk for TABE 11 and 12
Language Level A
Correlated to
Steck-Vaughn Test Preparation for GED: Reasoning Through Language Arts
11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What's Out There?
DRC | CTB
Please sign in with the Username and Password your Examiner has given you.
Username:
Password:
Sign In
Display Item Ids
Back
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Mathematics - Level A
Training Student
Question 4
00:46:31
A county clerk has a given amount of money to budget for cultural events.
Cultural Events Budget
Budget Remaining (thousands of dollars)
y = −0.45x + 18
Time (months)
Based on the scatterpolot, what does the point (0, 18) represent?
a the total amount of the budget given to the county
b the total amount of the budget spent after 18 months
c the average amount spent out of the budget each month
d the predicted amount of time after which the entire budget will be spent
Review/End Test
Pause
Flag
Options
Back
Next
https://wbte.drcedirect.com/TABE/portals/tabe
12

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Reflection

Is there a way to combine or summarize all of these resources into one?

Share some resources that you know.

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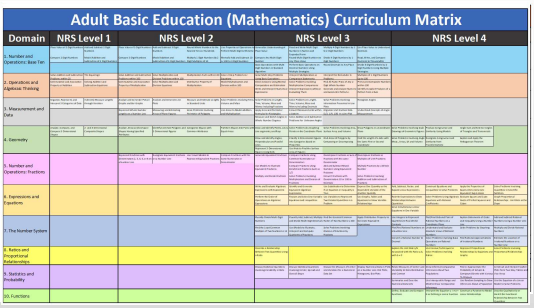

Combining Multiple Assessment Resources into One

THE TABE 11&12 OVERLAY

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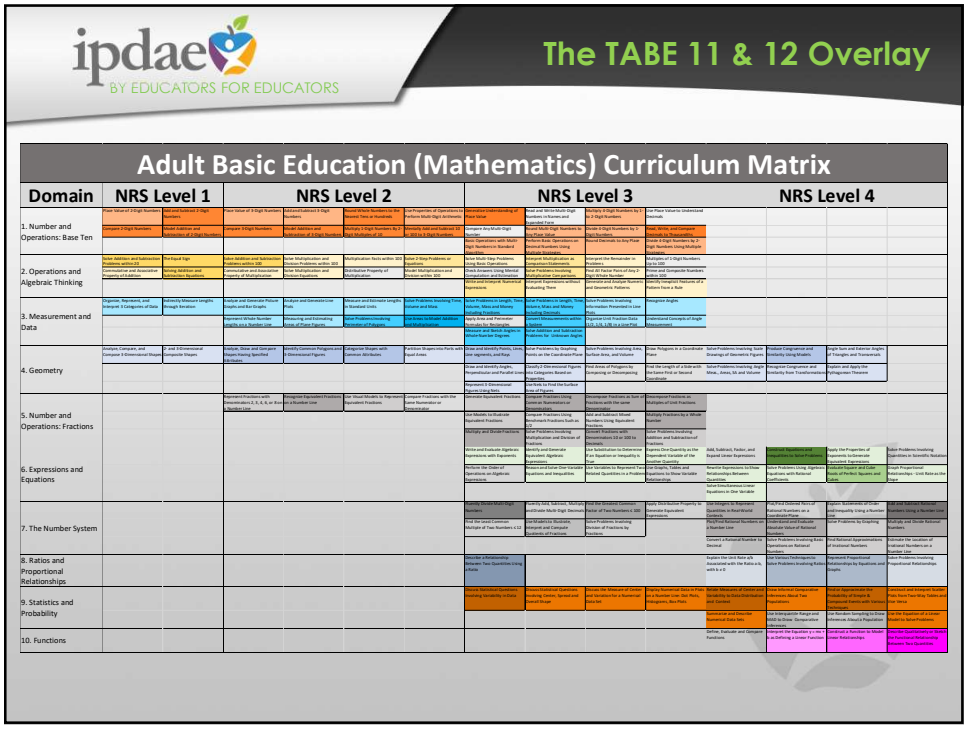
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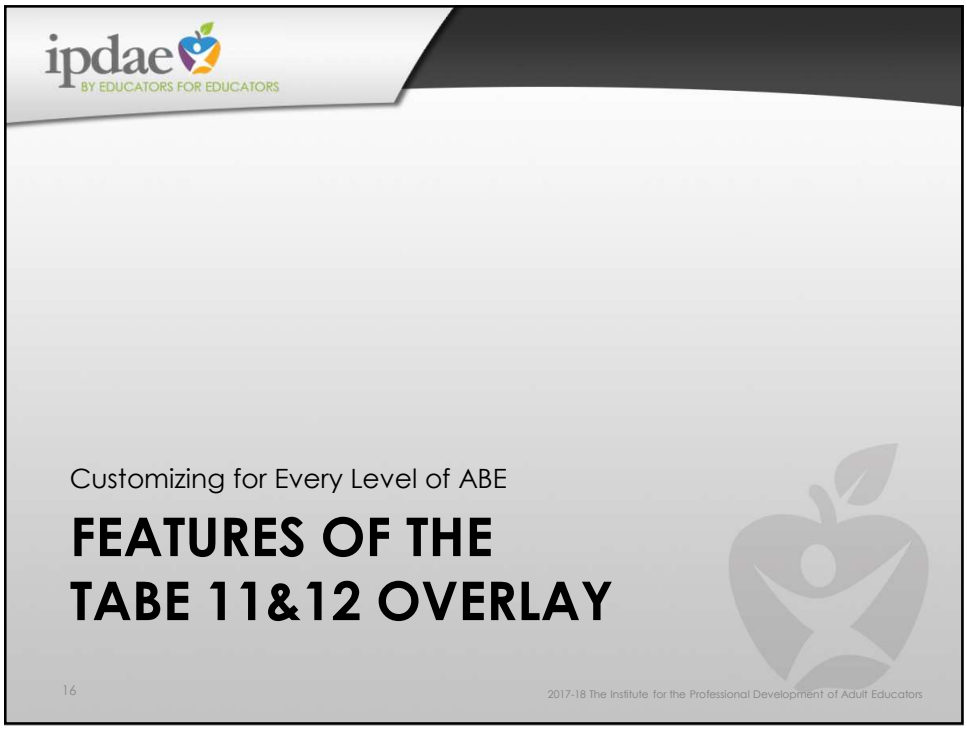
The TABE 11 & 12 Overlay
Adult Basic Education (Mathematics) Curriculum Matrix
Domain
NRS Level 1
NRS Level 2
NRS Level 3
NRS Level 4
1. Number and Operations: Base Ten
2. Operations and Algebraic Thinking
3. Measurement and Data
4. Geometry
5. Number and Operations: Fractions
6. Expressions and Equations
7. The Number System
8. Ratios and Proportional Relationships
9. Statistics and Probability
10. Functions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Customizing for Every Level of ABE
FEATURES OF THE TABE 11&12 OVERLAY
16
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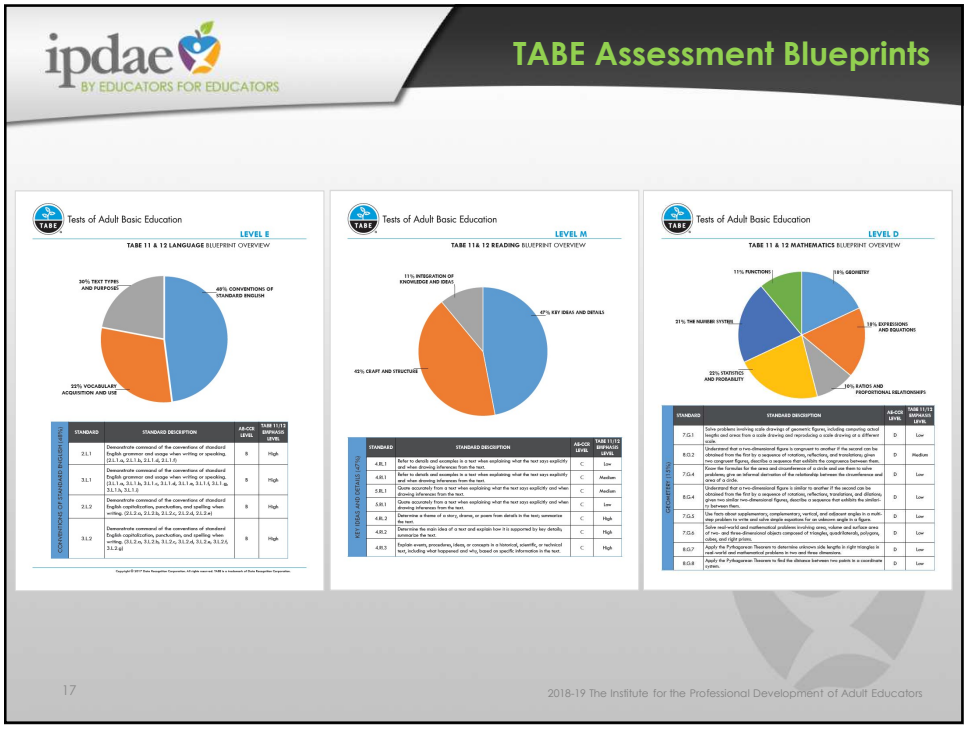
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TABE Assessment Blueprints
Tests of Adult Basic Education
LEVEL E
TABE 11 & 12 LANGUAGE BLUEPRINT OVERVIEW
30% TEXT TYPES AND PURPOSE
40% CONVENTIONS OF STANDARD ENGLISH
25% VOCABULARY ACQUISITION AND USE
Tests of Adult Basic Education
LEVEL M
TABE 11& 12 READING BLUEPRINT OVERVIEW
11% INTEGRATION OF KNOWLEDGE AND IDEAS
47% KEY IDEAS AND DETAILS
42% CRAFT AND STRUCTURE
Tests of Adult Basic Education
LEVEL D
TABE 11 & 12 MATHEMATICS BLUEPRINT OVERVIEW
11% FUNCTIONS
18% GEOMETRY
21% THE NUMBER SYSTEM
19% EXPRESSIONS AND EQUATIONS
22% STATISTICS AND PROBABILITY
30% RATIOS AND PROPORTIONAL RELATIONSHIPS
17
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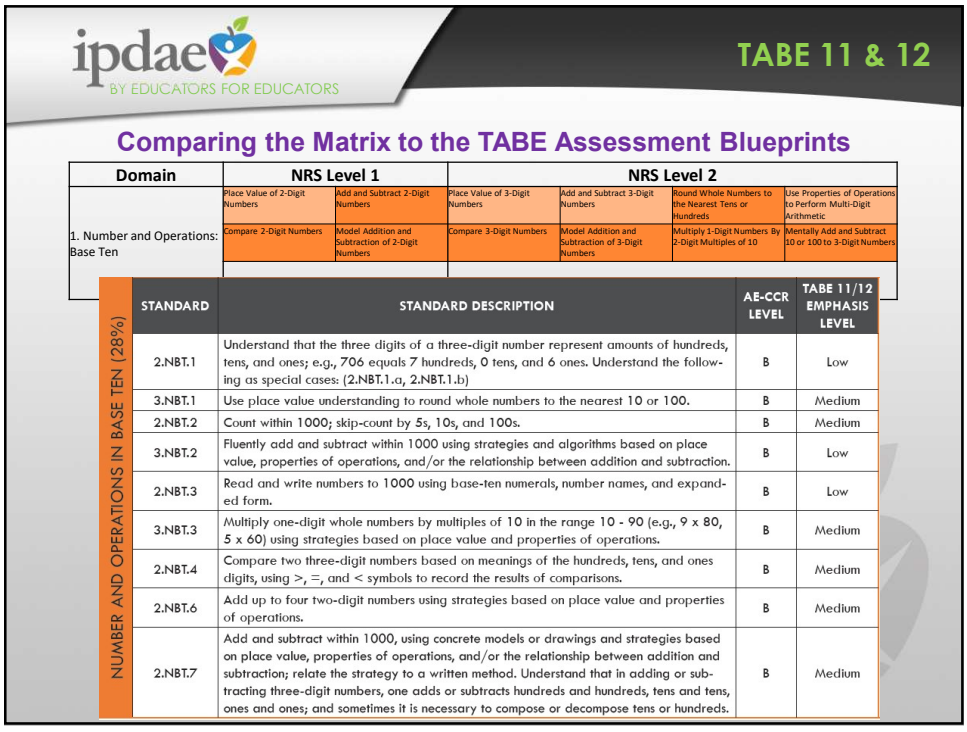
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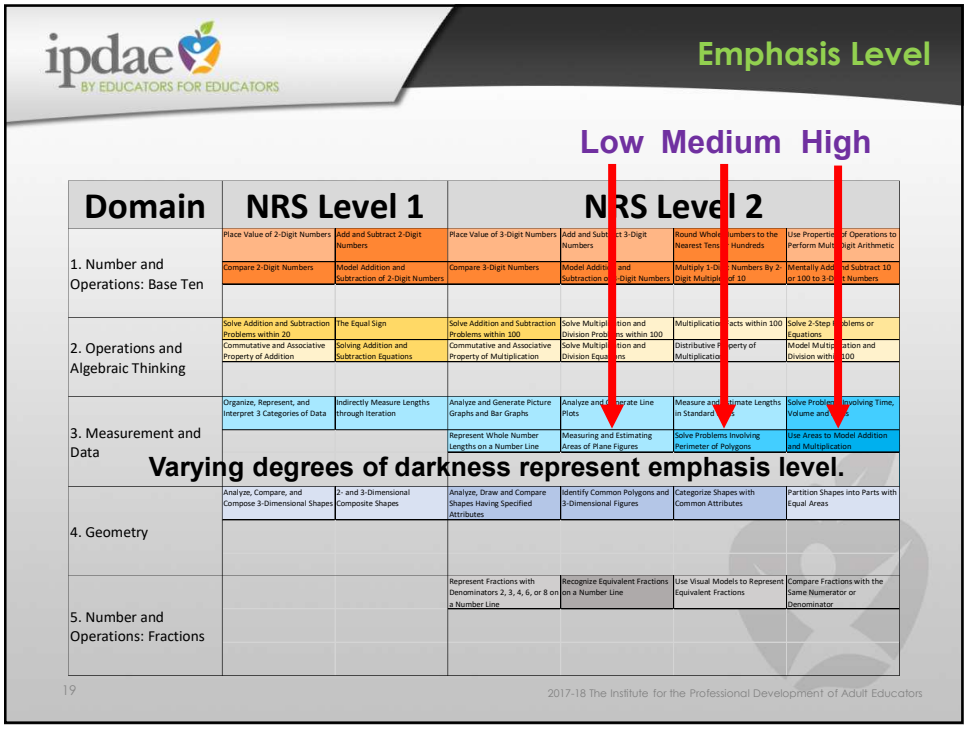
TABE 11 & 12
Comparing the Matrix to the TABE Assessment Blueprints
Domain
NRS Level 1
NRS Level 2
1. Number and Operations: Base Ten
Place Value of 2-Digit Numbers
Add and Subtract 2-Digit Numbers
Compare 2-Digit Numbers
Model Addition and Subtraction of 2-Digit Numbers
Place Value of 3-Digit Numbers
Add and Subtract 3-Digit Numbers
Round Whole Numbers to the Nearest Tens or Hundreds
Use Properties of Operations to Perform Multi-Digit Arithmetic
Compare 3-Digit Numbers
Model Addition and Subtraction of 3-Digit Numbers
Multiply 1-Digit Numbers By 2-Digit Multiples of 10
Mentally Add and Subtract 10 or 100 to 3-Digit Numbers
NUMBER AND OPERATIONS IN BASE TEN (28%)
STANDARD
STANDARD DESCRIPTION
AE-CCR LEVEL
TABE 11/12 EMPHASIS LEVEL
2.NBT.1
Understand that the three digits of a three-digit number represent amounts of hundreds, tens, and ones; e.g., 706 equals 7 hundreds, 0 tens, and 6 ones. Understand the following as special cases: (2.NBT.1.a, 2.NBT.1.b)
B
Low
3.NBT.1
Use place value understanding to round whole numbers to the nearest 10 or 100.
B
Medium
2.NBT.2
Count within 1000; skip-count by 5s, 10s, and 100s.
B
Medium
3.NBT.2
Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition and subtraction.
B
Low
2.NBT.3
Read and write numbers to 1000 using base-ten numerals, number names, and expanded form.
B
Low
3.NBT.3
Multiply one-digit whole numbers by multiples of 10 in the range 10 - 90 (e.g., 9 x 80, 5 x 60) using strategies based on place value and properties of operations.
B
Medium
2.NBT.4
Compare two three-digit numbers based on meanings of the hundreds, tens, and ones digits, using >, =, and < symbols to record the results of comparisons.
B
Medium
2.NBT.6
Add up to four two-digit numbers using strategies based on place value and properties of operations.
B
Medium
2.NBT.7
Add and subtract within 1000, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method. Understand that in adding or subtracting three-digit numbers, one adds or subtracts hundreds and hundreds, tens and tens, ones and ones; and sometimes it is necessary to compose or decompose tens or hundreds.
B
Medium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Emphasis Level
Low Medium High
Domain
NRS Level 1
NRS Level 2
1. Number and Operations: Base Ten
2. Operations and Algebraic Thinking
3. Measurement and Data
4. Geometry
5. Number and Operations: Fractions
Varying degrees of darkness represent emphasis level.
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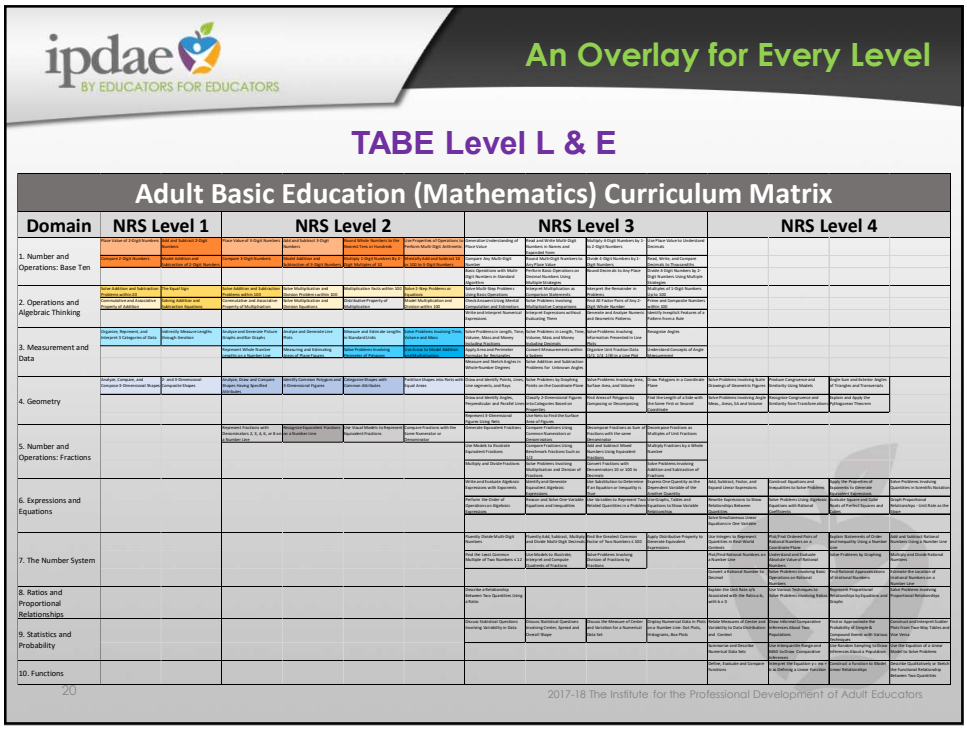
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An Overlay for Every Level
TABE Level L & E
Adult Basic Education (Mathematics) Curriculum Matrix
Domain
NRS Level 1
NRS Level 2
NRS Level 3
NRS Level 4
1. Number and Operations: Base Ten
2. Operations and Algebraic Thinking
3. Measurement and Data
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
20
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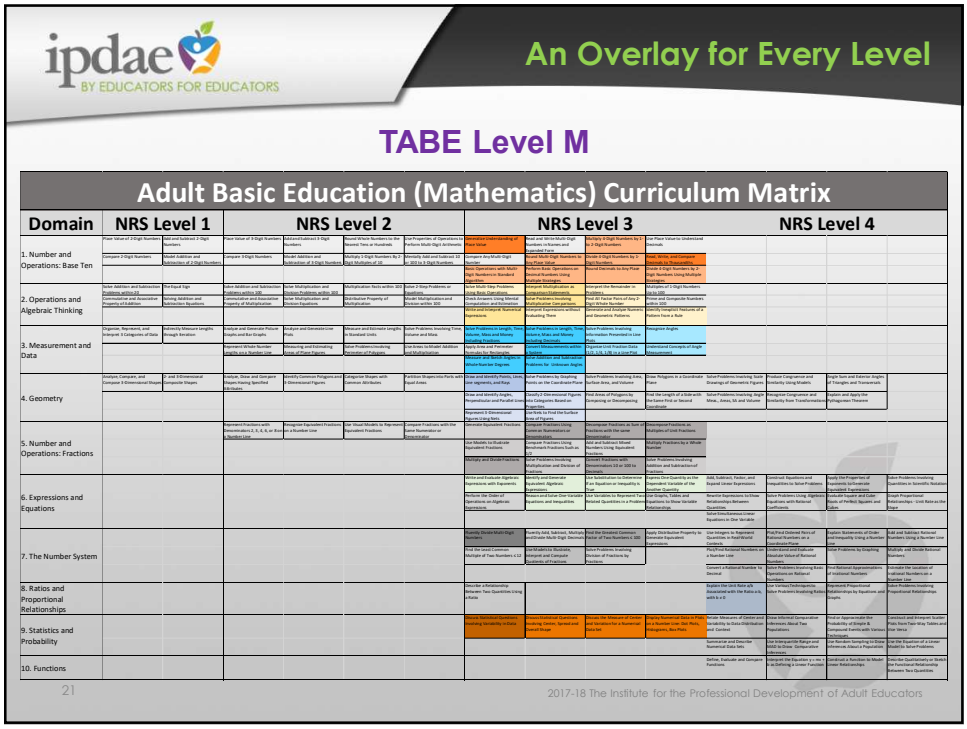
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An Overlay for Every Level
TABE Level M
Adult Basic Education (Mathematics) Curriculum Matrix
Domain
NRS Level 1
NRS Level 2
NRS Level 3
NRS Level 4
1. Number and Operations: Base Ten
2. Operations and Algebraic Thinking
3. Measurement and Data
4. 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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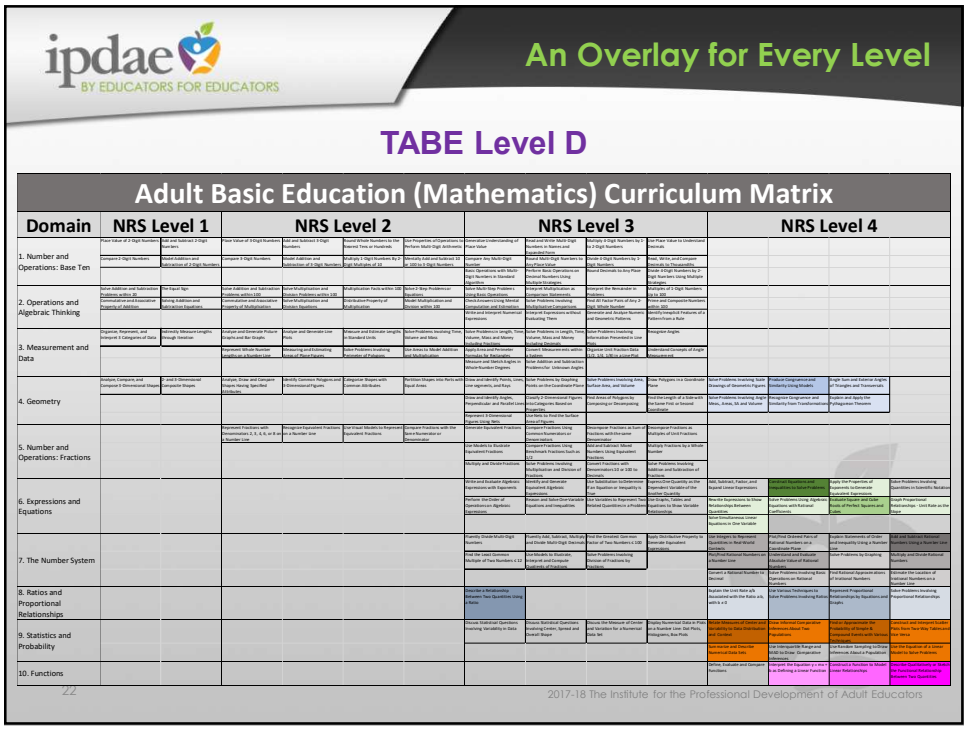
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An Overlay for Every Level
TABE Level D
Adult Basic Education (Mathematics) Curriculum Matrix
Domain
NRS Level 1
NRS Level 2
NRS Level 3
NRS Level 4
1. Number and Operations: Base Ten
2. Operations and Algebraic Thinking
3. Measurement and Data
4. 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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Q
A
23
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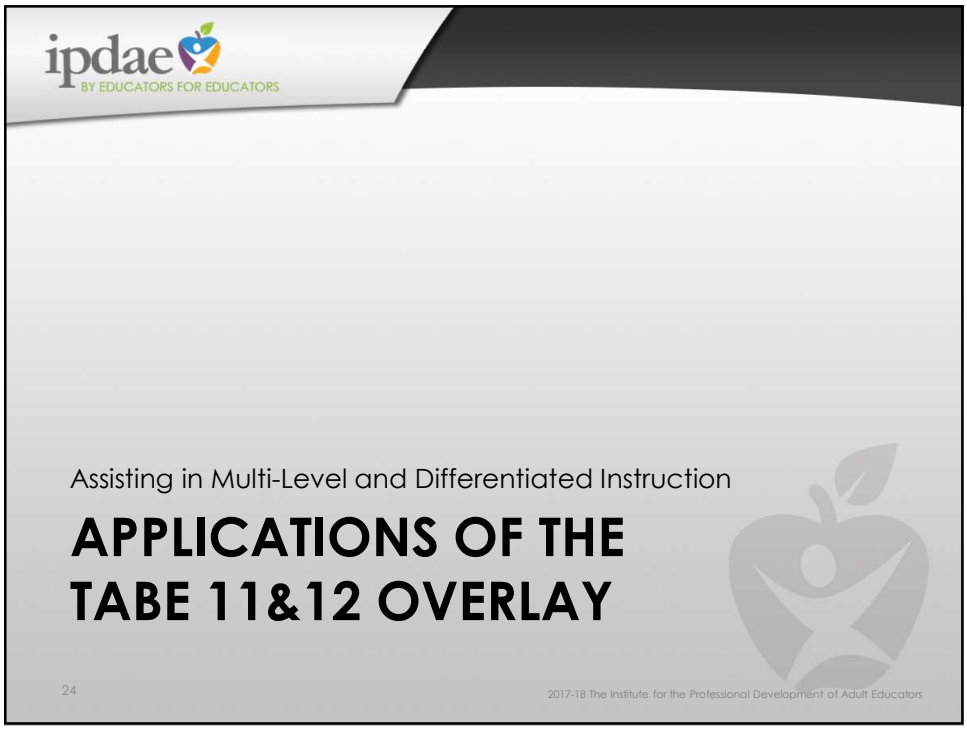
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Assisting in Multi-Level and Differentiated Instruction
APPLICATIONS OF THE TABE 11&12 OVERLAY
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Applications

- Centralized assessment resource for teachers and students.
- Clearly identified and chunked assessment targets or objectives
- Checklist of major ABE mathematics concepts
- Scope and sequence guide for educators which helps lesson planning and pacing
- Resource correlation guide for teachers and students
- A tool for student grouping for differentiating instruction
- A progress monitoring tool for teachers and students

Pacing Guide

Domain	NRS Level 1		NRS Level 2			
1. Number and Operations: Base Ten	Place Value of 2-Digit Numbers	Add and Subtract 2-Digit Numbers	Place Value of 3-Digit Numbers	Add and Subtract 3-Digit Numbers	Round Whole Numbers to the Nearest Tens or Hundreds	Use Properties of Operations to Perform Multi-Digit Arithmetic
	Compare 2-Digit Numbers	Model Addition and Subtraction of 2-Digit Numbers	Compare 3-Digit Numbers	Model Addition and Subtraction of 3-Digit Numbers	Multiply 1-Digit Numbers By 2-Digit Multiples of 10	Mentally Add and Subtract 10 or 100 to 3-Digit Numbers
2. Operations and Algebraic Thinking	Solve Addition and Subtraction Problems within 20	The Equal Sign	Solve Addition and Subtraction Problems within 100	Solve Multiplication and Division Problems within 100	Multiplication Facts within 100	Solve 2-Step Problems or Equations
	Commutative and Associative Property of Addition	Solving Addition and Subtraction Equations	Commutative and Associative Property of Multiplication	Solve Multiplication and Division Equations	Distributive Property of Multiplication	Model Multiplication and Division within 100
3. Measurement and Data	Organize, Represent, and Interpret 3 Categories of Data	Indirectly Measure Lengths through Iteration	Analyze and Generate Picture Graphs and Bar Graphs	Analyze and Generate Line Plots	Measure and Estimate Lengths in Standard Units	Solve Problems Involving Time, Volume and Mass
			Represent Whole Number Lengths on a Number Line	Measuring and Estimating Areas of Plane Figures	Solve Problems Involving Perimeter of Polygons	Use Areas to Model Addition and Multiplication
4. Geometry	Analyze, Compare, and Compose 3-Dimensional Shapes	2- and 3-Dimensional Composite Shapes	Analyze, Draw and Compare Shapes Having Specified Attributes	Identify Common Polygons and 3-Dimensional Figures	Categorize Shapes with Common Attributes	Partition Shapes into Parts with Equal Areas
5. Number and Operations: Fractions			Represent Fractions with Denominators 2, 3, 4, 6, or 8 on a Number Line	Recognize Equivalent Fractions on a Number Line	Use Visual Models to Represent Equivalent Fractions	Compare Fractions with the Same Numerator or Denominator

Week 1
Week 2
Week 3
Week 4
Week 1
Week 2
Week 3
Week 4
Week 5

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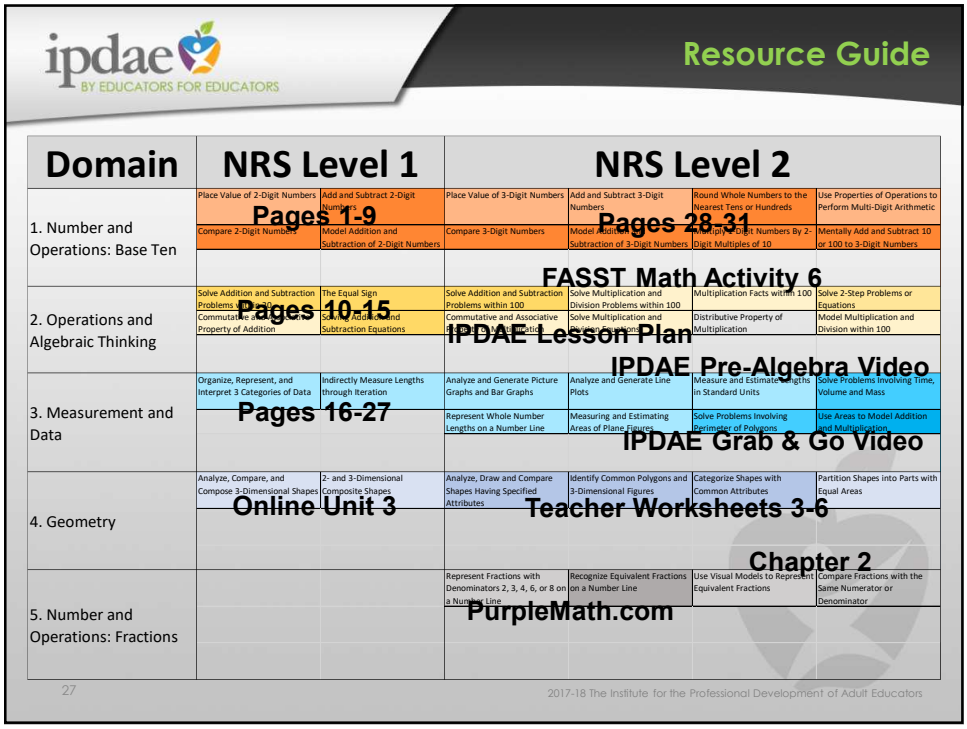
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Resource Guide
Domain
NRS Level 1
NRS Level 2
1. Number and Operations: Base Ten
2. Operations and Algebraic Thinking
3. Measurement and Data
4. Geometry
5. Number and Operations: Fractions
Pages 1-9
Pages 10-15
Pages 16-27
Online Unit 3
Pages 28-31
FASST Math Activity 6
IPDAE Lesson Plan
IPDAE Pre-Algebra Video
IPDAE Grab & Go Video
Teacher Worksheets 3-6
Chapter 2
PurpleMath.com
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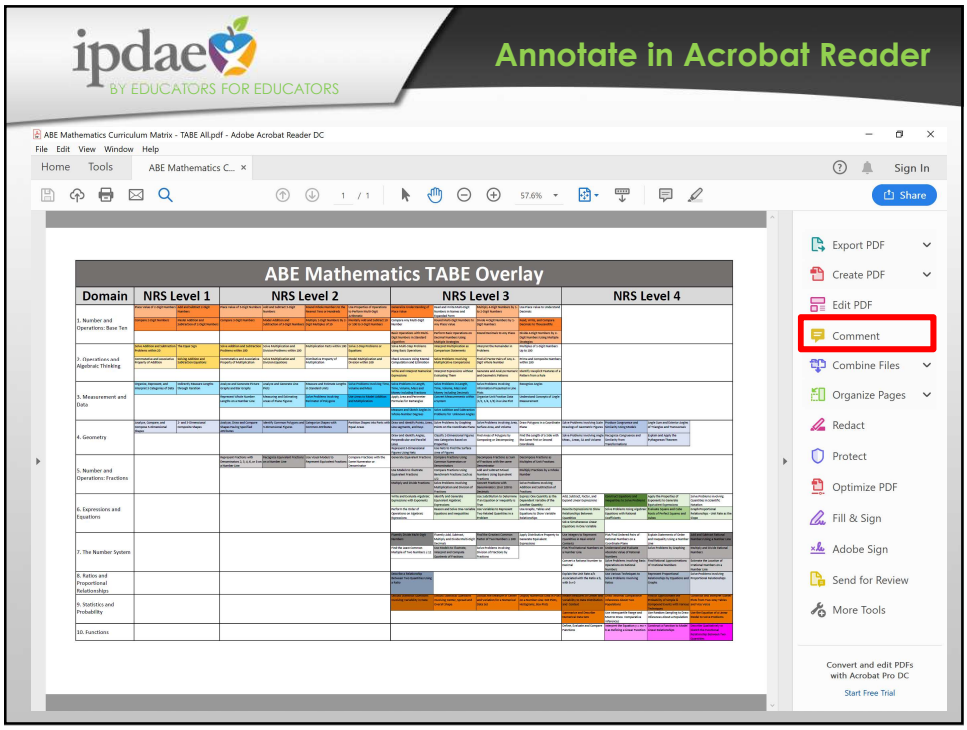
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Annotate in Acrobat Reader
ABE Mathematics Curriculum Matrix - TABE All.pdf - Adobe Acrobat Reader DC
File Edit View Window Help
Home Tools
Sign In
Share
ABE Mathematics TABE Overlay
Domain
NRS Level 1
NRS Level 2
NRS Level 3
NRS Level 4
Export PDF
Create PDF
Edit PDF
Comment
Combine Files
Organize Pages
Redact
Protect
Optimize PDF
Fill & Sign
Adobe Sign
Send for Review
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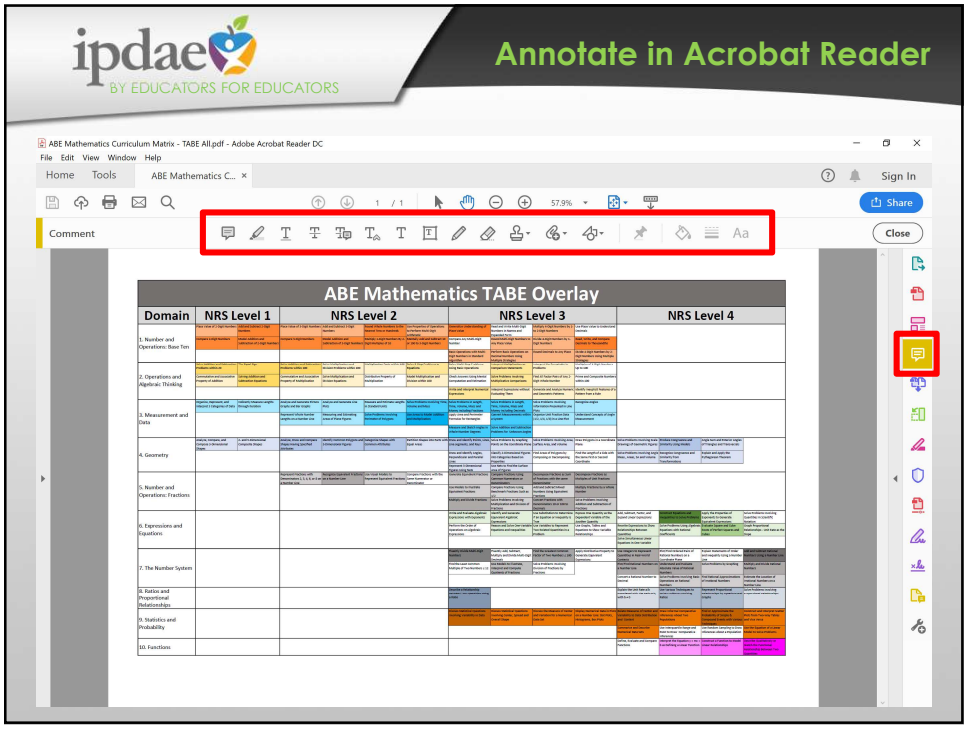
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Annotate in Acrobat Reader
ABE Mathematics Curriculum Matrix - TABE All.pdf - Adobe Acrobat Reader DC
File Edit View Window Help
Home Tools
ABE Mathematics C...
Sign In
Share
Comment
Close
ABE Mathematics TABE Overlay
Domain
NRS Level 1
NRS Level 2
NRS Level 3
NRS Level 4

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DOWNLOADING & PRINTING
THE TABE 11&12 OVERLAY
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How to Download
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Understanding and Applying the TABE 11&12 Overlay to the ABE Math Curriculum Matrix
Duration: 1 Hour
Description:
Presentation Documents:
Presentation (PDF)
Handout: ABE Math Curriculum Matrix (PDF)
Handout: ABE Math Curriculum Matrix Part 1 Activity Book (PDF)
Handout: ABE Math 2018 (PDF)
Handout: High Impact Indicators (PDF)
Understanding and Applying the TABE 11&12 Overlay to the ABE Math Curriculum Matrix
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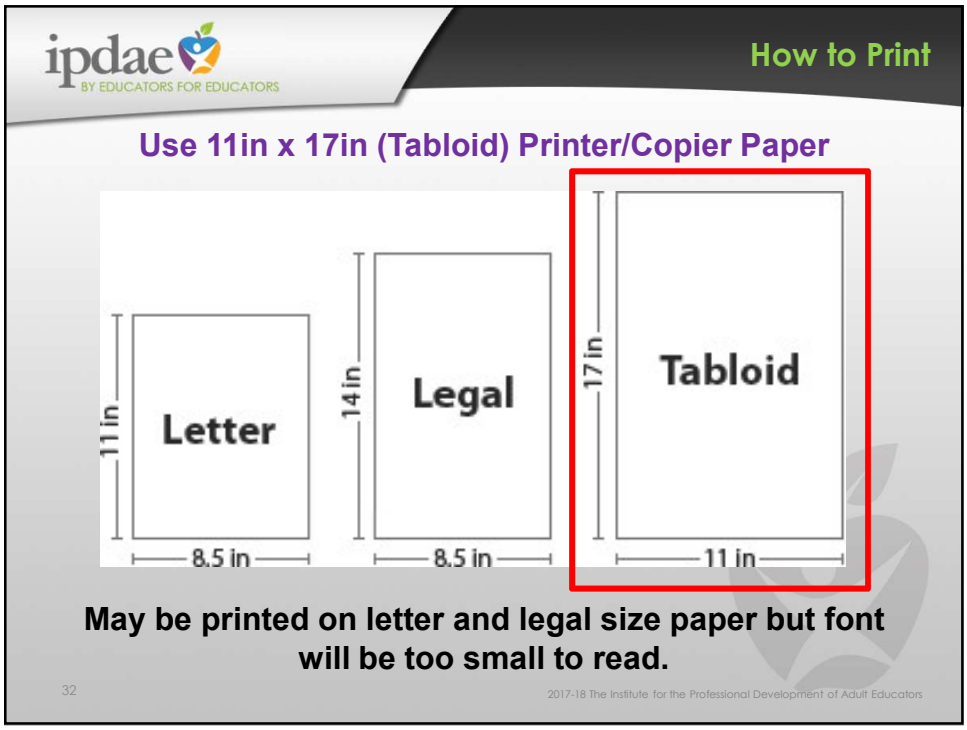
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How to Print
Use 11in x 17in (Tabloid) Printer/Copier Paper
Letter
11 in
8.5 in
Legal
14 in
8.5 in
Tabloid
17 in
11 in
May be printed on letter and legal size paper but font will be too small to read.
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How to Print/Copy

Prints on certain printers

Copies on most copy machines

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EXCITING THINGS TO COME
OVERLAY ADD-ON

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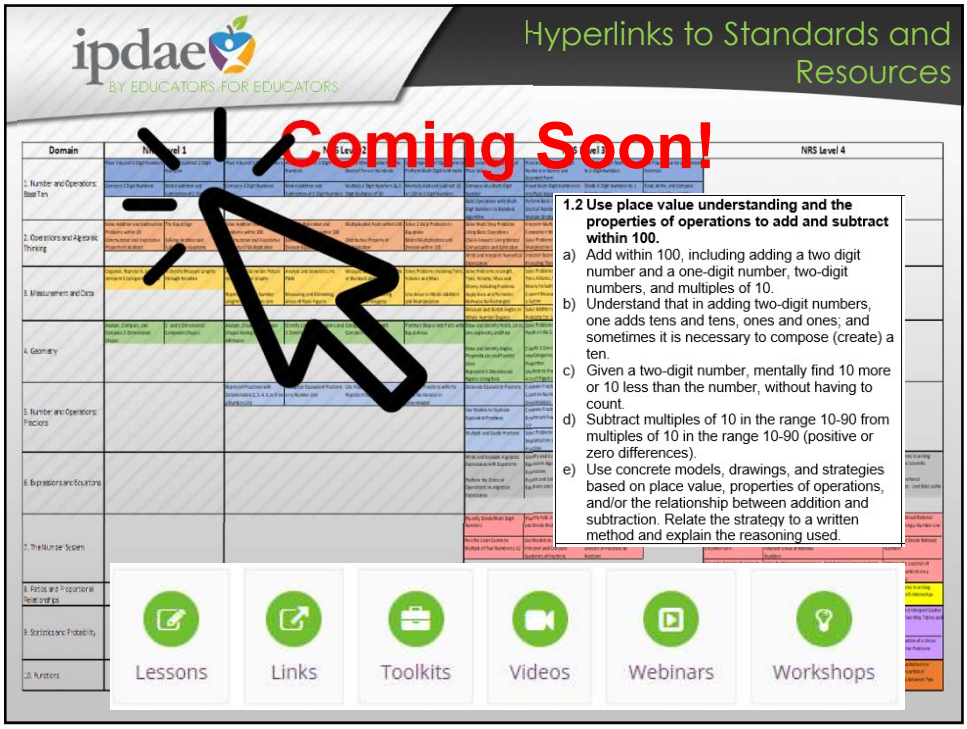
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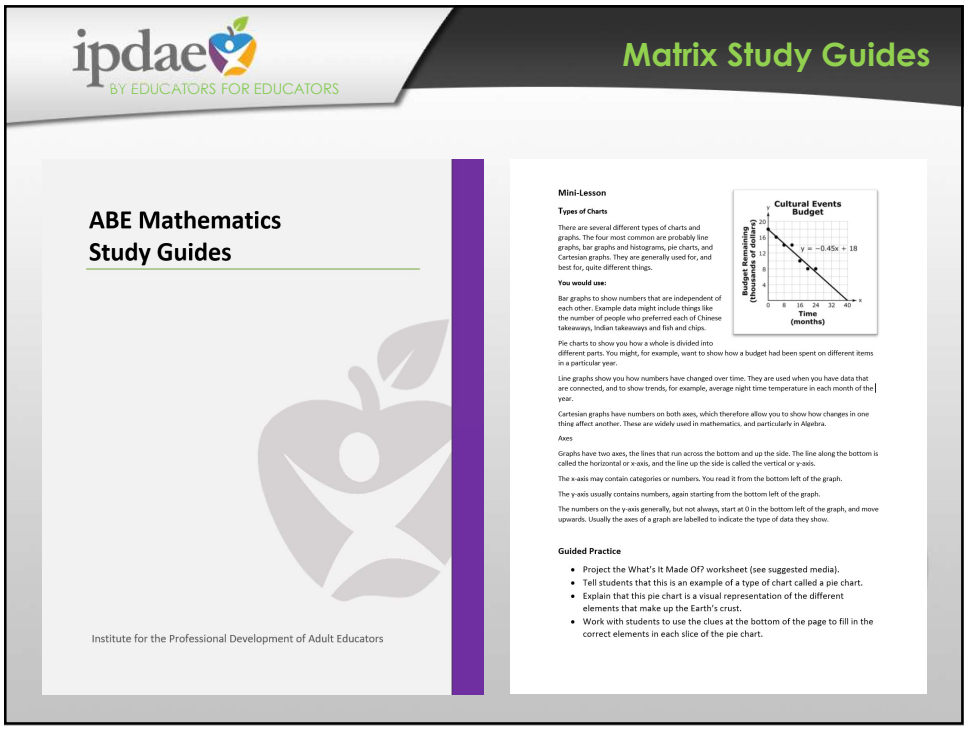
Hyperlinks to Standards and Resources
Coming Soon!
Domain
NRS Level 4
1.2 Use place value understanding and the properties of operations to add and subtract within 100.
a) Add within 100, including adding a two digit number and a one-digit number, two-digit numbers, and multiples of 10.
b) Understand that in adding two-digit numbers, one adds tens and tens, ones and ones; and sometimes it is necessary to compose (create) a ten.
c) Given a two-digit number, mentally find 10 more or 10 less than the number, without having to count.
d) Subtract multiples of 10 in the range 10-90 from multiples of 10 in the range 10-90 (positive or zero differences).
e) Use concrete models, drawings, and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction. Relate the strategy to a written method and explain the reasoning used.
Lessons
Links
Toolkits
Videos
Webinars
Workshops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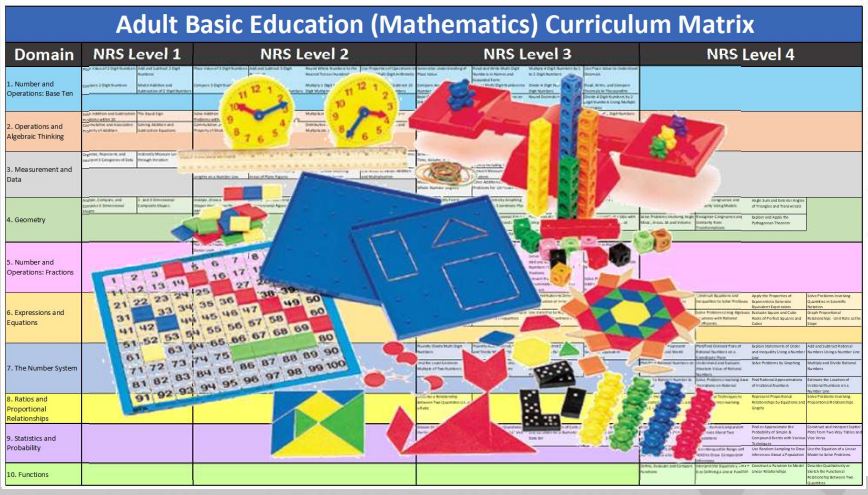
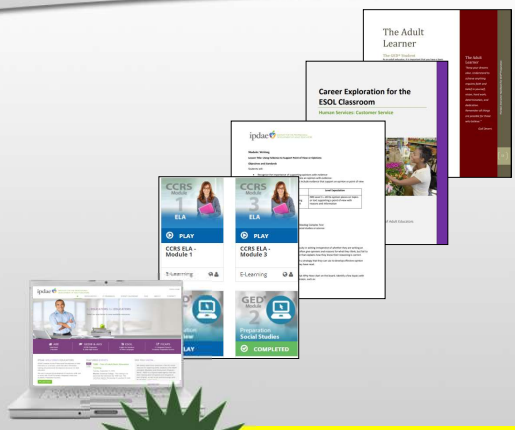
Matrix Study Guides
ABE Mathematics
Study Guides
Institute for the Professional Development of Adult Educators
Mini-Lesson
Types of Charts
There are several different types of charts and graphs. The four most common are probably line graphs, bar graphs and histograms, pie charts, and Cartesian graphs. They are generally used for, and best for, quite different things.
You would use:
Bar graphs to show numbers that are independent of each other. Example data might include things like the number of people who preferred each of Chinese takeaways, Indian takeaways and fish and chips.
Pie charts to show you how a whole is divided into different parts. You might, for example, want to show how a budget had been spent on different items in a particular year.
Line graphs show you how numbers have changed over time. They are used when you have data that are connected, and to show trends, for example, average night time temperature in each month of the year.
Cartesian graphs have numbers on both axes, which therefore allow you to show how changes in one thing affect another. These are widely used in mathematics, and particularly in Algebra.
Axes
Graphs have two axes, the lines that run across the bottom and up the side. The line along the bottom is called the horizontal or x-axis, and the line up the side is called the vertical or y-axis.
The x-axis may contain categories or numbers. You read it from the bottom left of the graph.
The y-axis usually contains numbers, again starting from the bottom left of the graph.
The numbers on the y-axis generally, but not always, start at 0 in the bottom left of the graph, and move upwards. Usually the axes of a graph are labelled to indicate the type of data they show.
Cultural Events Budget
Budget Remaining (thousands of dollars)
Time (months)
Guided Practice
Project the What's It Made Of? worksheet (see suggested media).
Tell students that this is an example of a type of chart called a pie chart.
Explain that this pie chart is a visual representation of the different elements that make up the Earth's crust.
Work with students to use the clues at the bottom of the page to fill in the correct elements in each slice of the pie chart.

Manipulatives Overlay



IPDAE Resources



- ✓ Workshops
- ✓ E-Learning Modules
- ✓ Lesson Plans
- ✓ Grab and Gos (videos)
- ✓ Webinar Wednesdays
- ✓ Toolkits
- ✓ Career Exploration
- ✓ Links

COMING SOON!

The GED Mathematics Matrix

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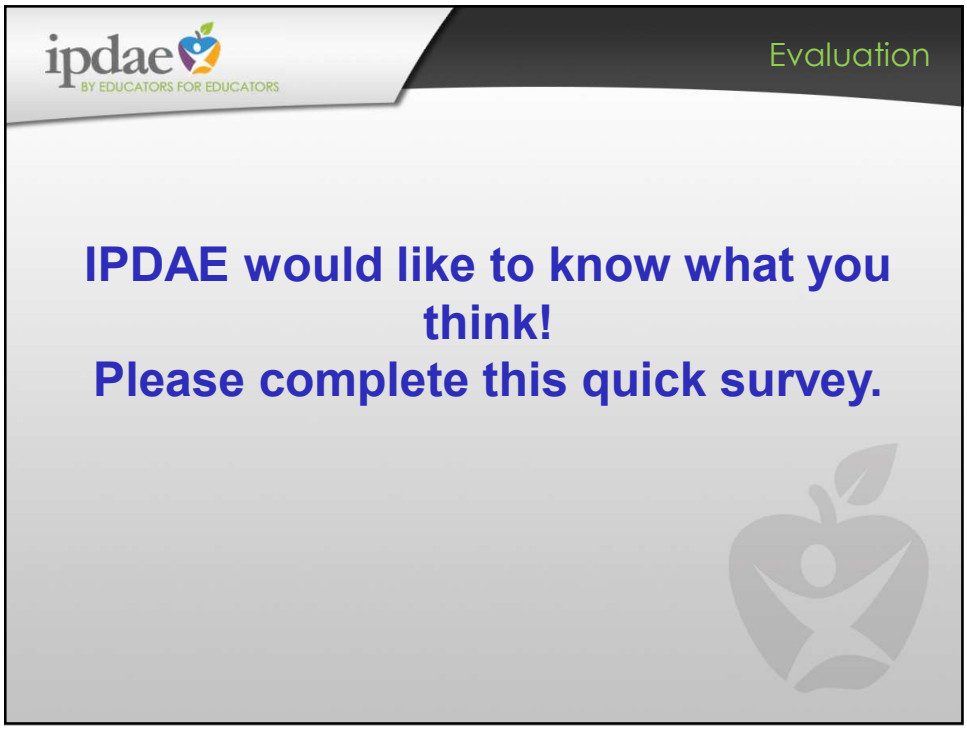
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Evaluation
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