

2018 Year In-Review and What's to Come

June 27, 2018

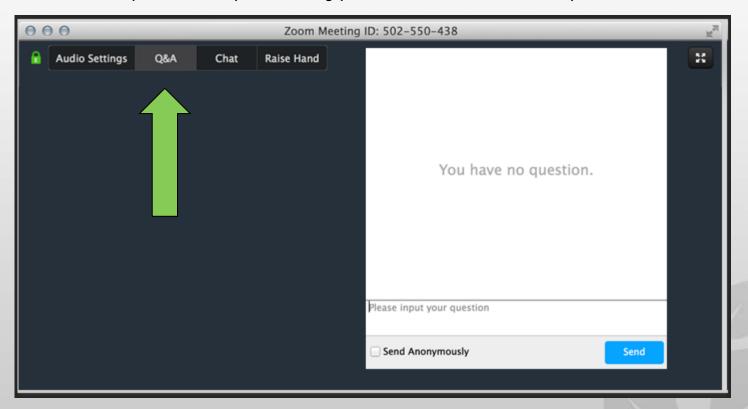
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This training event is supported with federal funds as appropriated to the Florida Department of Education, Division of Career and Adult Education for the provision of state leadership professional development activities.





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.



- I. Timeline at a Glance
- II. Face-to-Face Workshops
- III. Webinars
- IV. New Resources
- V. The ABE Mathematics Curriculum Matrix
- VI. The IPDAE Website
- VII. A Look Ahead
- VIII. Evaluation



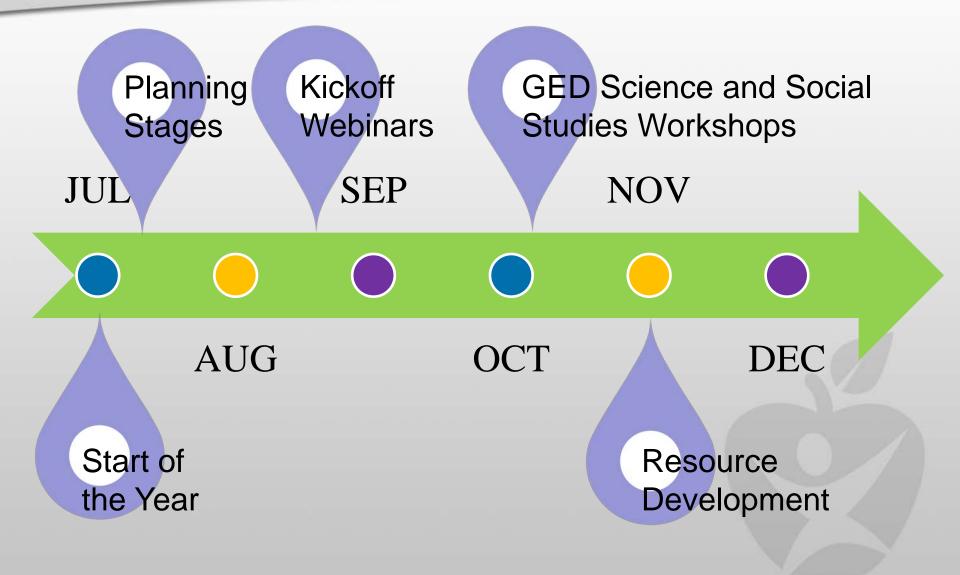
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IPDAE TIMELINE AT A GLANCE

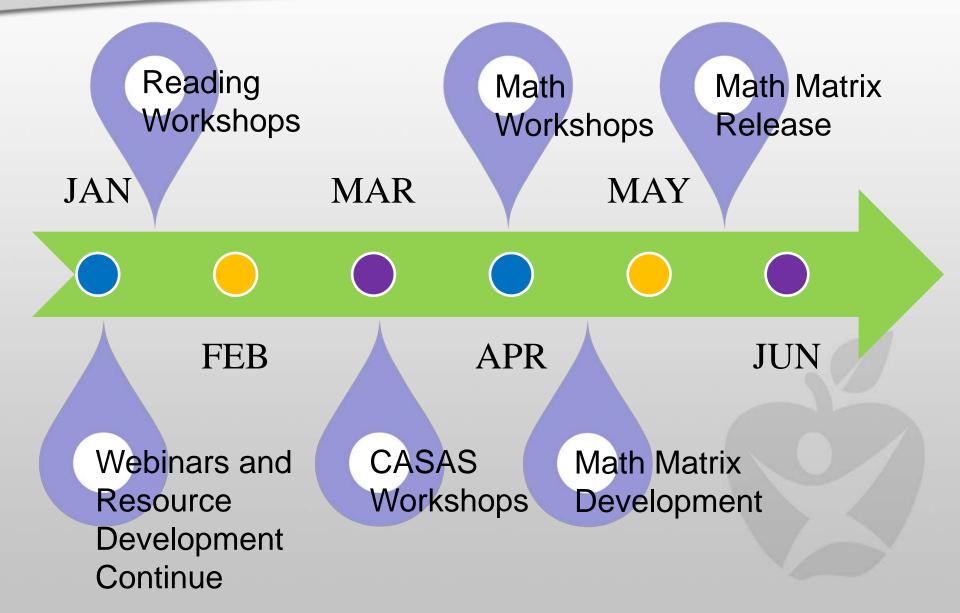






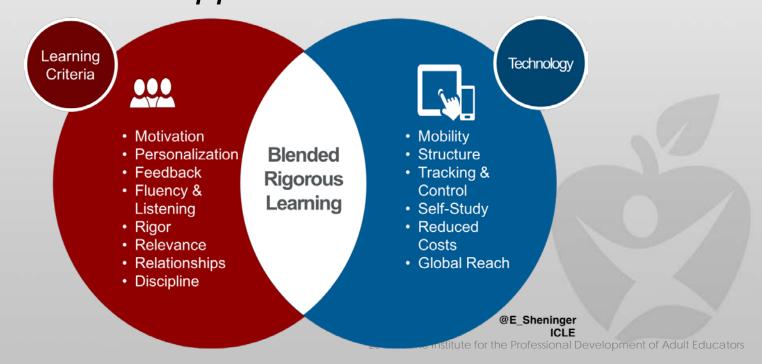








Throughout the year, IPDAE provided a blending learning approach through the delivery of face-to-face workshops, online webinars, e-trainings, resource guides, lesson plans, scripted PPT's and other applicable materials.





IPDAE FACE-TO-FACE WORKSHOPS









GED Science and Social Studies Workshop

- Brevard
- Broward
- Collier
- Hillsborough
- Leon
- Miami-Dade
- Pinellas
- Seminole









Jackson

Gadsden

Wakulla

Reading Workshops

- Alachua
- Hillsborough
- Leon
- Miami Dade
- St. Lucie





CASAS Workshops



Gadsden Jefferson

Wakulla

CASAS Workshops

- Collier
- Duval
- Polk
- St. Lucie
- Washington









Gadsden Jefferson

Wakulla

Mathematics Workshops

- Collier
- Hillsborough
- Palm Beach
- Pinellas
- Orange









58 Workshops 1,600 Practitioners Train











- Start Your School Year with Florida IPDAE
- The Science and Social Studies Challenge Helping Students Build Knowledge about Enduring Issues
- Teaching with the Adult Learner in Mind
- Putting Manipulatives to Work
- Differentiating Instruction in Adult ESOL Classrooms
- All About Accommodations
- Active Learning in the Adult Classroom, Part 1
- Mathematics Reasoning Across Subject Areas: Summarizing and Analyzing Data



- Active Learning in the Adult Classroom, Part 2
- AGE to Post-Secondary Transition
- Listening: Hitting the Target Using CASAS Instructional Resources
- Mining a GED Ready® Score Report
- GED Train-the-Trainer Debrief Webinar
- Training for Evidence-Based Literacy Strategies for Adult Educators: Follow-up session 1 – Intervention Practices
- Training for Evidence-Based Literacy Strategies for Adult Educators: Follow-up session 2 – Implementation of a Multi-strategy Comprehension Approach
- TABE Update for State Trainer



- Implementing IET in ESL Classrooms
- Preparing English Learners for Postsecondary Success
- TABE 11 & 12 Update
- Expanding and Extending Learning through a Community of Practice
- ABE Math Curriculum Matrix Part 1
- ABE Math Curriculum Matrix Part 2
- "Taking Care of Yourself: Making the Transition from Corrections to Work, Education& Daily Life": An Overview
- 2018 Year In-Review and What's to Come









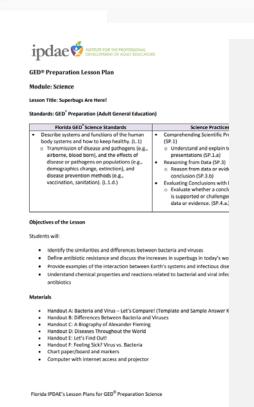


Scientific Inquirements the GED® Scien

Information, Resources Strategies for the Class

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Listening Strategies for ESL

April 18, 2018



NEW RESOURCES



New Resources:

- GED Science and Social Studies Workbook
- Strengthening Mathematics Foundations Workbook
- Literacy Strategies Workbook
- Webinar Activity Books
- Lesson Plans
- ABE Mathematics Curriculum Matrix





The ABE Mathematics Curriculum Matrix

Domain	NRS	Level 1		NRSI	evel 2			NRS	Level 3			NRS	evel 4	
	Place Value of 2 Digit Number	Add and Subtract 2 Digit. Numbers	Place Value of 3 Digit Numbers	Add and Subtract 3 Digit Numbers	Round Wholk Numbers to the Nearest Tensor Hundreds	Use Proporties of Operations to Perform Multi Digit Arithmetic		Road and Write Multi Digit Numbers in Names and Expanded Form	Multiply 4 Digit Numbers by 1 to 2 Digit Numbers	Use Place Value to Undonstand Doomais				
Number and Operations: Base Ten	Compare 2 Digit Numbris	Model Addition and Subtraction of 3-Digit Numbers		Model Addition and Subtraction of 3 Digit Numbers	Digit Multiples of 10	Montally Add and Subtract 10 or 200 to 3 Digit Numbers	Number Basic Operations with Multi- Digit Numbers in Bandard Algorithm	Round Multi Digit Numbersto Any Place Value	Drade 4 Digit Numbers by 5 Digit Numbers Round Decimals to Any Flace	Read, Write, und Company Decimals to Thousandths Divide 4 Digit Numbers by 2 Digit Numbers Using Multiple Strategies				
Operations and Algebraic Thinking	Solve Addition and Subtraction Problems within 20 Commutative and Associative Property of Addition	The Equal Sign Solving Addition and Subtraction Equations	Sohe Addition and Subtraction Problems within 200 Commutative and Associative Property of Multip Academ	Division Problems within 100	Multiplication Facts within 100 Distributive Property of Multiplication	Solve 2 Strg Problems of Equation; Model Multiplication and Christian within 100	Solve: Multi-Stelp Problems: Using Basic Operation I Chock Answert Using Mental Computation and Estimation Write and Interpret Numerical Expensions:		interpretatio Remander is Problems Find All Factor Piers of Any 2 Digit Whole Number Generate and Analyze Numeric and Geometric Patterns	Multiplies of 1 Digit Numbers Up to 200 Prime and Composite Numbers within 200 within 200 and the splice Features of a Pattern from a Rule				
3. Measurement and Data	Organize, Represent, and Interpret 3 Categories of Data	Indirectly Measure Lengths through meration	Graphs and Bar Graphs	Analyse and Generate (the Pible Measuring and Estimating Areas of Plane Figures	Measure and Estimate Lengths in Standard Units Solve Problems Involving Perimeter of Polygons	Solve Problems Involving Time. Volume and Mass Use Areas to Model Addition and Multiplication	So he Problems in Length, Time, Volume, Mass and Money Including Fractions Apply Area and Perimeter Formulas for Rectargles Measure and Sketch Angles in	Solve Problems in Length, Time, Volume, Mass and Money techning, Decimals Convert Measurements within a System Solve Additionand Subtraction	Solve Problems Involving information Presented in Line Piets Organize Unit Praction Data (1/2, 1/4, 1/8) in a Line Piet	Recognize Angles Understand Concepts of Angle Measurement				
4. Geometry	Analyse, Compare, and Compose 3 Dimensional Shapes	2 and 5 Dimensional . Composite Shape s	Analyse, Draw and Compare Shapes Hawing Specified Amounts	id control Polygons and 3 Dimensional Figures	Categorise Skopes with . Common Attributes	Partition Shapes into Parts with Equil Areas	Whole Number Departed Dow and identify Points, Lines Line segments, and Rayle Dows and Identify Angles, Propendicular and Families Lines Represent 3: Demonstonal Represent 3: Demonstonal Represent 3: Demonstonal Represent 3: Demonstonal	Points on the Coordinate Plans Classify 2 Dimensional Figures	Solve Problems thirdlying Area, Surface Area, and Volume Find Areas of Polygomi by	Plane	So he Problems involving Scale Dawings of Geometric Figures So he Problems involving Angle Mess, Acess, SA and Valume	Similarity Using Models Recognise Congruence and	Angle Sum and Evictor Angles of Frangles and Bankwests Biplain and Apply the Pythagorean Theorem	
5. Number and Operations: Fractions			Represent Fractions with Denominators 2, 1, 4, 6, or 8 on a Number Line	Recognize Equivalent Practions on a Number Line	Use Visual Models to Regress ne Equivalent Practions	Compare Fractions with the Same Numerator of Denominator	Generate Equivalent Fractions Use Models to Illustrate Equivalent Fractions Multiply and Divide Practions	Compare Fractions Using Common Numerater and Denominations of Denominations Using Benchmark Fractions Using Benchmark Fractions Such as 1/2 Solve Problems Involving Multiplication and Division of Sections 1	Decompose Fractions as Sum of Practions with the came Denominated Add and Subtract Mixed Numbers Using Equivalent Practions Convert Practions with Denominators 10 or 100 to	Doso mpo se Fradions as Multiples of Unit Fradions Multiply Fractions by a Whole Number Solve Problems involving Addition and Subtraction of				
6. Expressions and Equations							Write and Evaluate Algebraic Expressions with Exponents Pertors the Older of Operations on Algebraic Expressions		Use Substitution to Determine if an Equation of Inequality is True: Use Variables to Represent Two Related Quantities in a Problem	Express One Quantity as the Dependent Variable of the Another Quantity Use Graphs, Tables and Equations to Show Variable Kelations hips	Add, Submart, Roctor, and Expand Linear Expressions Rewrite Expressions to Show Relationships Settlemen Quantities Solve Simultaneous Linear Equations in One Variable	Construct Squartions and inequalities to Solve Problems Solve Problems Using Algebras Equations with Rational Coefficients	Boulvalent Explications Brailustic Square and Cube	Solve Pro blems this living Quantities in Scientific No strone Graph Proportional No Briton higs: Unit Nate asth Slood
7. The Number System							Plantly Divide Multi Diget Numbers Find the Least Common Multiple of two Numbers 11	Fluentry Add, Subtract, Multipland Divide Multi-Digit Dooms Use Models to Illustrate, interpret and Compute (Questionts of Fractions)	y Find the Greatest Common to Pactor of Teo Numbers s 100 Solve Problems involving Diesson of Fractions by Practions	Apply Distributive Property to Generate Equivalent Expressions	Use Integers to Represent Quantities in Real World Contrata Flory/Find Rational Numbers on a Number Unit	Aboo lute Value of Rationsi Numbers	Biplam Statements of Order and Negal Stry Ulding a Number Shire solve Problems by Graphing Problems by Graphing Problems by Graphing Problems by Graphing	Add and Subtract Ripton at Numbers Using a Number Line Multiply and Divide Retional Numbers Estimate the Cocation of Yeathonal Numbers on a
8. Ratios and Proportional Relationships							Describe a Relationship Between Two Quantities Using a Ratio Dissuit Statistical Questions involving Variability in Data	involving Conter, Spread and	Discuss the Measure of Center and Variation for a Numerical		Variability to Data Distribution	Inferences About Two	Represent Proportion of Relationships by Equations and Graphs Find or Approximate the Probability of Simple &	Solve Problems Involving Propertional Relationships Construct and lotropis t Scatto Plots from Two Way Tables an
9. Statistics and Probability								Overall Shape	DOM: Set	Histograms, Box Plots	and Contols Summarize and Describe Numerical Data Sets		Compound Events with Visious Techniques List Random Sampling to Draw Interences About a Population	Usestio Equation of a Linear
10. Functions											Define, Evaluate and Company Functions	Interpret the Equation y - ma s b as Defining a Linear Function	Construct a Function to Model Locar Relationships	Describe Qualitatively or Sketch the Functional Relationship Between Two Quantities





Learning Trajectories

Domain	NRS Level 1			NRS I	evel 2		NRS Level 3				
	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	Generalize Understanding of Place Value	Read and Write Multi-Digit Numbers in Names and Expanded Form	Multiply 4-Digit Numbers by 1- to 2-Digit Numbers	Use Place Value to Understan Decimals	
Number and Operations: Base Ten	Compare 2-Digit Numbers	Model Addition and Subtraction of 2-Digit Numbers				Mentally Add and Subtract 10 or 100 to 3-Digit Numbers	Compare Any Multi-Digit Number	Round Multi-Digit Numbers to Any Place Value	Divide 4-Digit Numbers by 1- Digit Numbers	Read, Write, and Compare Decimals to Thousandths	
base ren							Basic Operations with Multi- Digit Numbers in Standard	Perform Basic Operations on Decimal Numbers Using	Round Decimals to Any Place	Divide 4-Digit Numbers by 2- Digit Numbers Using Multiple Strategies	
	Solve Addition and Subtraction	The Equal Sign			Multiplication Facts within 100		Solve Multi-Step Problems	Interpret Multiplication as	Interpret the Remainder in	Multiples of 1-Digit Numbers	
2. Operations and Algebraic	Problems within 20 Commutative and Associative	Solving Addition and	Commutative and Associative	Solve Multiplication and	Distributive Property of	Model Multiplication and	Check Answers Using Mental	Solve Problems Involving	Find All Factor Pairs of Any 2-	Prime and Composite Number	
Thinking	Property of Addition	Subtraction Equations	Property of Multiplication	Division Equations	Multiplication	Division within 100	Write and Interpret Numerical	Interpret Expressions without	Generate and Analyze Numeric	within 100 Identify Inexplicit Features of Pattern from a Rule	
	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	Solve Problems in Length, Time, Volume, Mass and	Solve Problems in Length, Time, Volume, Mass and	Solve Problems Involving Information Presented in Line Plots	Recognize Angles	
3. Measurement and Data			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	Apply Area and Perimeter Formulas for Rectangles	Convert Measurements within a System	Organize Unit Fraction Data (1/2, 1/4, 1/8) in a Line Plot	Understand Concepts of Angl Measurement	
							Whole-Number Degrees	Problems for Unknown Angles			
	Analyze, Compare, and Compose 3-Dimensional Shapes	2- and 3-Dimensional Composite Shapes	Analyze, Draw and Compare Shapes Having Specified Attributes		Categorize Shapes with Common Attributes	Partition Shapes into Parts with Equal Areas		Solve Problems by Graphing Points on the Coordinate Plane	Solve Problems Involving Area, Surface Area, and Volume	Draw Polygons in a Coordinat Plane	
4. Geometry		•				,	Draw and Identify Angles, Perpendicular and Parallel	Classify 2-Dimensional Figures into Categories Based on	Find Areas of Polygons by Composing or Decomposing	Find the Length of a Side with the Same First or Second	
							Represent 3-Dimensional	Use Nets to Find the Surface		Coordinate	
									Decompose Fractions as Sum of Fractions with the same Denominator	Decompose Fractions as Multiples of Unit Fractions	
5. Number and Operations: Fractions		Numbers Numbers Numbe	Add and Subtract Mixed Numbers Using Equivalent Fractions	Multiply Fractions by a Whole Number							
							Multiply and Divide Fractions	Multiplication and Division of	to 2-Digit Numbers o Divide 4-Digit Numbers by 1-Digit Numbers Round Decimals to Any Place Interpret the Remainder in Problems Find All Factor Pairs of Any 2-Digit Whole Number Generate and Analyze Numeric and Geometric Patterns Solve Problems Involving Information Presented in Une Plots or Organize Unit Fraction Data (1/2, 1/4, 1/8) in a Line Plot on Solve Problems Involving Area, Surface Area, and Volume Solve Problems Involving Area, Surface Area, and Volume Find Areas of Polygons by Composing or Decomposing or Decomposing Decompose Fractions as Sum of Fractions with the same Denominator Add and Subtract Mixed Numbers Using Equivalent Fractions Convert Fractions with To Denominators 10 or 100 to Decimals Usa Substitution to Detarmina If an Equation or Inequality is True If an Equation or Inequality is Inequality in Inequality is Inequality is Inequality in Inequality in Inequality is Inequality in Inequality Inequality is Inequality in Inequality I	Solve Problems Involving Addition and Subtraction of Fractions	
								Identify and Generate Equivalent Algebraic	Use Substitution to Determine If an Equation or Inequality is		
6. Expressions and Equations							Operations on Algebraic	Reason and Solve One-Variable	Use Variables to Represent Two Related Quantities in a	Use Graphs, Tables and Equations to Show Variable Relationships	
								Multiply and Divide Multi-Digit		Apply Distributive Property to Generate Equivalent Expressions	
7. The Number System								Use Models to Illustrate, Interpret and Compute	Division of Fractions by	Expressions:	
									1/	7	



High Impact Indicators.

Domain	MPS I	evel 1		NDSI	evel 2			NDSI	evel 3	
Domain										
	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		Generalize Understanding of Place Value	Read and Write Multi-Digit Numbers in Names and Expanded Form	Multiply 4-Digit Numbers by 1- to 2-Digit Numbers	· Use Place Value to Understand Decimals
Number and Operations: Base Ten	Compare 2-Digit Numbers	Model Addition and Subtraction of 2-Digit Numbers		Model Addition and Subtraction of 3-Digit Numbers	Multiply 1-Digit Numbers By 2- Digit Multiples of 10	or 100 to 3-Digit Numbers	Compare Any Multi-Digit Number	Round Multi-Digit Numbers to Any Place Value	Digit Numbers	Read, Write, and Compare Decimals to Thousandths
							Basic Operations with Multi- Digit Numbers in Standard Algorithm	Perform Basic Operations on Decimal Numbers Using Multiple Strategies	Round Decimals to Any Place	Divide 4-Digit Numbers by 2- Digit Numbers Using Multiple Strategies
a constitute and Alexandria	Solve Addition and Subtraction Problems within 20			Division Problems within 100	Multiplication Facts within 100	Equations	Solve Multi-Step Problems Using Basic Operations	Interpret Multiplication as Comparison Statements	Interpret the Remainder in Problems	Multiples of 1-Digit Numbers Up to 100
		Solving Addition and Subtraction Equations	Commutative and Associative Property of Multiplication	Solve Multiplication and Division Equations		Model Multiplication and Division within 100		Multiplicative Comparisons	Find All Factor Pairs of Any 2- Digit Whole Number	Numbers within 100
							Write and Interpret Numerical Expressions	Interpret Expressions without Evaluating Them	Generate and Analyze Numeric and Geometric Patterns	c Identify Inexplicit Features of a Pattern from a Rule
	Organize, Represent, and Interpret 3 Categories of Data	Indirectly Measure Lengths through Iteration		Analyze and Generate Line Plots	Measure and Estimate Lengths in Standard Units	Solve Problems Involving Time, Volume and Mass	Solve Problems in Length, Time, Volume, Mass and Money Including Fractions	Solve Problems in Length, Time, Volume, Mass and Money Including Decimals	Solve Problems Involving Information Presented in Line Plots	Recognize Angles
3. Measurement and Data			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	Apply Area and Perimeter Formulas for Rectangles	Convert Measurements within a System		Understand Concepts of Angle Measurement
							Measure and Sketch Angles in Whole-Number Degrees	Solve Addition and Subtraction Problems for Unknown Angles		
		Composite Shapes		Identify Common Polygons and 3-Dimensional Figures		Partition Shapes into Parts with Equal Areas	Draw and Identify Points, Lines, Line segments, and Rays	Solve Problems by Graphing Points on the Coordinate Plane	~ ′	Draw Polygons in a Coordinate Plane
4. Geometry							Draw and Identify Angles, Perpendicular and Parallel Lines	Classify 2-Dimensional Figures into Categories Based on Properties	Find Areas of Polygons by Composing or Decomposing	Find the Length of a Side with the Same First or Second Coordinate
							Represent 3-Dimensional Figures Using Nets	Use Nets to Find the Surface Area of Figures		

Q.4: Calculate dimensions, perimeter, circumference, and area of two-dimensional figures

Q.5: Calculate dimensions, surface area, and volume of three-dimensional figures



Class Progress Tracking

Domain NRS Level 1			NRS	Level 2		NRS Level 3				
	Place Value of 2 Digit Numbers	Add and Subtract 2 Digit	Place Value of 3 Digit Numbers	Add and Subtract 3 Digit	Round Whole Numbers to the	Use Properties of Operations to		Read and Write Multi Digit.	Multiply 4 Digit Numbers by 1	Use Place Value to Understand
		Numbers		Numbers	Nearest Tensor Hundreds	Perform Multi-Digit Arithmetic	Place Value	Numbers in Names and	to Z Digit Numbers	Decimals
Number and Operations:	Compare 2 Digit Numbers	Model Addition and	Compare 3 Digit Numbers	Model Addition and	Multiply 1-Digit Numbers By 2-	Mentally Add and Subtract 10	Compare Any Multi Digit	Expanded Form	Divide 4 Digit Numbers by I:	Read_Write, and Compare
BaseTen	compare 2 orgic red libers	Subtraction of 2-Digit Numbers	compare 3 orgici variates	Subtraction of 3-Digit Numbers		or 100 to 3 Digit Numbers	Number	Any Place Value	Didt Numbers	Decimals to Thousandths
Dase Fell							Basic Operations with Multi		Round Decimals to Any Place	Divide 4 Digit Numbers by 2
							Digit Numbers in Standard	Decimal Numbers Using		Digit Numbers Using Multiple
							Algorithm	Multiple Brategies		Strategies
	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	Solve Multi-Step Problems Using Basic Operations	Interpret Multiplication as Comparison Statements		Multiples of 1- Digit Numbers Up to 100
2. Operations and Algebraic	Commutative and Associative	Solving Addition and	Commutative and Associative	Solve Multiplication and	Distributive Property of	Model Multiplication and	Check Answers Using Mental	Solve Problems Involving		Prime and Composite Number:
Thinking	Property of Addition	Subtraction Equations	Property of Multiplication	Division Equations	Multiplication	Division with in 100	Computation and Estimation	Multiplicative Comparisons		within 100
THURING	reperty arradices			and the second s			Write and Interpret Numerical			identify inexplicit Features of a
							Expressions	Evaluating Them	and Geometric Patterns	Pattern from a Rule
	Organize, Represent, and	In directly Measure Lengths	Analyze and Generate Picture	Analyze and Generate Line	Measure and Estimate Lengths	Solve Problems Involving Time,	Solve Problems in Length,	Solve Problems in Length,	Problems Find All Factor Pairs of Any 2: Diggs Whole Number Generate and Analyze Numeric and discomptise Patterns So be Problems Involving Information Presented in Line Find: Lithin Cigarine Unit Fraction Data (L/C, 1/4, 1/8) In a Line Pick Cition After Son Problems Involving Area, Plane Suiface Area, and Volume Limit Ind Area of Polygons by Composing or Decomposing Cot Cot Cocompose Fractions as Sum of Fractions with the name Decominator Add and Subrace Mised Line Mised Subrace Mised Line Numbers Liding Equivalent Fractions Line Suiface Area Commission Commission Cocompose Fractions as Sum of Fractions with the name Decominator Add and Subrace Mised Line Numbers Liding Equivalent Fractions Fractions Fractions Comment Commission Cocompose Fractions as Sum of Fractions Subrace Mised Line Numbers Liding Equivalent Fractions Fractions Fractions Commission Comm	Recognize Angles
	Interpret 3 Categories of Data	through Iteration	Graphs and Bar Graphs	Plots	in Standard Units	Volume and Mass	Time, Volume, Mass and	Time, Volume, Mass and		
3. Measurement and Data					-11111		Money Including Fractions	Money Including Decimals		
5. Measurement and Data			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	Apply Area and Perimeter Formulas for Rectangles	Convert Measurements within a Sistem		Understand Concepts of Angle Measurement
			Lengths on a Number Line	Areas of Plane Figures	Perimeter of Polygons	and Multiplication	Measure and Sketch Angles in	Solve Addition and Subtraction		Measurement
							Whole Number Degrees	Problems for Unknown Angles		
	Analyze, Compare, and	2- and 3 Dimensional	Analyze , Draw and Compare	Identify Common Polygons and	d Categorize Shapes with	Partition Shapes into Parts with				Oraw Polygons in a Coordinate
	Compose 3 Dimensional	Composite Shape's	Shapes Having Specified	3 Dimensional Figures	Common Attributes	Equal Areas	Line segments, and Rays			Plane
	Shapes		Attributes							
4. Geometry							Draw and Identify Angles,			Find the Length of a Side with
							Perpendicular and Parallel	into Categories Based on	Composing or Decomposing	the Same First or Second
							Lines Represent 3-Dimensional	Properties Use Nets to Find the Surface		Coordinate
							Represent 3-Dimensional Represent 3-Dimensional	Area of Figures		
			Represent Fractions with	Recognize Equivalent Fractions	Ose Visual Models to	Compare Fractions with the	Generate Equivalent Fractions	Compare Fractions Using	Decompose Fractions as Sum o	Decompose Fractions as
			Denominators 2, 2, 4, 8, or 8 on		Represent Equivalent Fractions			Common Numerators or		Multiples of Unit Fractions
			a Number Line			Denominator		Denominators	Denominator	
Number and Operations:							Use Models to Illustrate	Compare Fractions Using		Multiply Fractions by a Whole
Fractions							Equivalent Fractions	Benchmark Fractions Such as		Number
0.0000000000000000000000000000000000000							Multiply and Divide Fractions	1/2 Solve Problems Involving		Solve Problems I run Ving
							Multiply and Divide Hactions	Multidication and Division of		Addition and Subtraction of
								Fractions	Decimals	Fractions
							Write and Evaluate Algebraic	Id entify and Generate	Use Substitution to Determine	Expressione Quantity as the
							Expressions with Exponents	Equivalent Algebraic	If an Equation or inequality is	Dependent Variable of the
								Expressions	Tue	Another Quantity
6. Expressions and Equations							Perform the Order of	Reason and Solve One Variable		Use Graphs, Tables and
							Operations on Algebraic Expressions	Equations and Inequalities	Two Related Quantities in a Problem	Equations to Show Variable Relationships
							Expressions		Propiem	Kelationships
							Fuertiv Divide Multi Digit	Fluently Add, Subtract, Multipl	v Find the Greatest Common	Apply Distributive Property to
							Numbers		is Excitor of Two Numbers & 100	Generate Equivalent
										Expressions
							Find the Least Common	Use Models to Hustrate,	Soive Problems involving	
7. The Number System							Multiple of Two Numbers S 12		Division of Factions by	
								Clustients of Fractions	Frank one	



Student Learning Profiles for Differentiating Instruction and Scaffolding.

Domain	NRS L	evel 1		NRS L	evel 2			NRS L	evel 3	
	Place Value of 2-Digit Numbers	Add and Subtract 2-Digit Numbers	Place Value of 3-Digit Numbers		Round Whole Numbers to the Nearest Tens or Hundreds	Use Properties of Operations to Perform Multi-Digit Arithmetic	Generalize Understanding of Place Value			Use Place Value to Understand Decimals
Number and Operations: Base Ten	Compare 2-Digit Numbers	Model Addition and Subtraction of 2-Digit Numbers		Model Addition and Subtraction of 3-Digit Numbers		Mentally Add and Subtract 10 or 100 to 3-Digit Numbers	Compare Any Multi-Digit Number			Read, Write, and Compare Decimals to Thousandths
Social Control							Digit Numbers in Standard	Perform Basic Operations on Decimal Numbers Using Multiple Strategies	Round Decimals to Any Place	Divide 4-Digit Numbers by 2- Digit Numbers Using Multiple Strategies
	Solve Addition and Subtraction	The Equal Sign	Solve Addition and Subtraction		Multiplication Facts within 100			Interpret Multiplication as	Interpret the Remainder in	Multiples of 1-Digit Numbers
2. Operations and Algebraic	Problems within 20 Commutative and Associative	Solving Addition and	Problems within 100 Commutative and Associative	Division Problems within 100 Solve Multiplication and	Distributive Property of	Equations Model Multiplication and	Using Basic Operations Check Answers Using Mental	Comparison Statements Solve Problems Involving	Find All Factor Pairs of Any 2-	Up to 100 Prime and Composite Numbers
Thinking	Property of Addition	Subtraction Equations	Property of Multiplication	Division Equations	Multiplication	Division within 100		Multiplicative Comparisons	Digit Whole Number	within 100
							Write and Interpret Numerical Expressions	Interpret Expressions without Evaluating Them	Generate and Analyze Numeric and Geometric Patterns	Identify Inexplicit Features of a Pattern from a Rule
	Organize, Represent, and Interpret 3 Categories of Data				Measure and Estimate Lengths in Standard Units	Solve Problems Involving Time, Volume and Mass	Time, Volume, Mass and	Solve Problems in Length, Time, Volume, Mass and Money Including Decimals	Solve Problems Involving Information Presented in Line Plots	Recognize Angles
3. Measurement and Data					Solve Problems Involving Perimeter of Polygons	Use Areas to Model Addition and Multiplication	Apply Area and Perimeter Formulas for Rectangles		Organize Unit Fraction Data (1/2, 1/4, 1/8) in a Line Plot	Understand Concepts of Angle Measurement
							Measure and Sketch Angles in Whole-Number Degrees	Solve Addition and Subtraction Problems for Unknown Angles		
	Analyze, Compare, and Compose 3-Dimensional Shapes			Identify Common Polygons and 3-Dimensional Figures	Categorize Shapes with Common Attributes	Partition Shapes into Parts with Equal Areas	Draw and Identify Points, Lines, Line segments, and Rays			Draw Polygons in a Coordinate Plane
4. Geometry							Draw and Identify Angles, Perpendicular and Parallel Lines	Classify 2-Dimensional Figures into Categories Based on Properties	to 2-Digit Numbers to Divide 4-Digit Numbers by 1 Digit Numbers Round Decimals to Any Plac Interpret the Remainder in Problems Find All Factor Pairs of Any 2 Digit Whole Number ut Generate and Analyse Numand Geometric Patterns Solve Problems Involving Information Presented in Lit Plots into Organize Unit Fraction Data (1/2, 1/4, 1/8) in a Line Plot John Carrier of Companies of Companie	Find the Length of a Side with the Same First or Second Coordinate
							Represent 3-Dimensional Figures Using Nets	Use Nets to Find the Surface Area of Figures		
				Recognize Equivalent Fractions on a Number Line	Use Visual Models to Represent Equivalent Fractions	Compare Fractions with the Same Numerator or Denominator		Compare Fractions Using Common Numerators or Denominators		Decompose Fractions as Multiples of Unit Fractions
5. Number and Operations: Fractions							Use Models to Illustrate Equivalent Fractions	Compare Fractions Using Benchmark Fractions Such as 1/2	Numbers Using Equivalent	Multiply Fractions by a Whole Number
							Multiply and Divide Fractions	Solve Problems Involving Multiplication and Division of Fractions		Solve Problems Involving Addition and Subtraction of Fractions





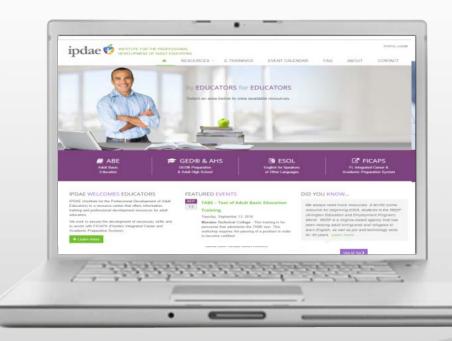
Individual Student Checklist

Domain	NRS L	evel 1		NRS L	evel 2		NRS Level 3				
	Place Value of 2-Digit Numbers	Add and Subtract 2-Digit Numbers	Place Value of 3-Digit Numbers	Numbers	Nearest Tens or Hundreds	Use Properties of Operations to Perform Multi-Digit Arithmetic	Pla Ve	Read and Write Multi-Digit Numbers in Names and Expanded Form	Multiply 4-Digit Numbers by 1- to 2-Digit Numbers	Use Place Value to Understand Decimals	
Number and Operations: Base Ten	Number and Operations: Compare 2-Digit Numbers Model Addition and Subtraction of 2-Digit Numbers Solve Addition and Subtraction Operations and Algebraic Communicative and Associative Property of Addition Organize, Represent, and Interpret 3 Categories of Data Measurement and Data Analyze, Compare, and Compose 3-Dimensional Shapes Model Addition and Subtraction The Equal Sign Problems within 20 Communicative and Associative Property of Addition and Subtraction Equations Indirectly Measure Lengths through Iteration 2- and 3-Dimensional Compose 3-Dimensional Composite Shapes		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	Compa/e Any Multi-Digit Number	Round Multi-Digit Numbers to Any Place Value	Divide 4-Digit Numbers by 1- Digit Numbers	Read, Write, and Compare Decimals to Thousandths		
BOSE TEN							Digit Numbers in Standard	Perform Basic Operations on Decimal Numbers Using Multiple Strategies	Round Decimals to Any Place	Divide 4-Digit Numbers by 2- Digit Numbers Using Multiple Strategies	
		The Equal Sign	Solve Addition and Subtraction Problems within 100	Solve M ciplication and Divisi Problems within 100	Multiplication Facts within 100	Solve 2-Step Problems or Equations	Solve Multi-Step Problems Using Basic Departions	Interpret Multiplication as Comparison Statements	Interpret the Remainder in Problems	Multiples of 1-Digit Numbers Up to 100	
2. Operations and Algebraic Thinking			Commutative and Associative Property of Multiplication	Multiplication and sion Equations	Distributive Property of Multiplication	Model Multiplication and Division within 100		Solve Problems Involving Multiplicative Comparisons	Find All Factor Pairs of Any 2- Digit Whole Number	Prime and Composite Numbers within 100	
								Interpret Expressions without Evaluating Them	Generate and Analyze Numeric and Geometric Patterns	Identify Inexplicit Features of a Pattern from a Rule	
			Analyze and Generate Picture Graphs and Bar Graphs	Analyze and Ginerate Line Plots	Measure and Estimate Lengths in Standard Units	Solve Problems Involving Time, Volume and Mass	Time, Volume, Mass and	Solve Problems in Length, Time, Volume, Mass and Money Including Decimals	Solve Problems Involving Information Presented in Line Plots	Recognize Angles	
3. Measurement and Data			Represent Whole Number V Lengths on a Number Line		Solve Problems Involving Perimeter of Polygons	Use Areas to Model Addition and Multiplication	Apply Area and Perimeter Formulas for Rectangles	Convert Measurements within a System	Organize Unit Fraction Data (1/2, 1/4, 1/8) in a Line Plot	Understand Concepts of Angle Measurement	
				•			Whole-Number Degrees	Solve Addition and Subtraction Problems for Unknown Angles			
	Compose 3-Dimensional			Identify Common Polygons and 3-Dimensional Figures		Partition Shapes into Parts with Equal Areas	Lines, Line segments, and Rays	Points on the Coordinate Plane		Draw Polygons in a Coordinate Plane	
4. Geometry					·	•	Draw and Identify Angles, Perpendicular and Parallel Lines ent 3-Dimensional	Classify 2-Dimensional Figures into Categories Based on Properties Use Nets to Find the Surface	Find Areas of Polygons by Composing or Decomposing	Find the Length of a Side with the Same First or Second Coordinate	
				Recognize Equivalent Fractions on a Number Line	Use Visual Models to Represent Equivalent Fractions	Compare Fractions with the Same Numerator or Denominator		Area of Figures Compare Fractions Using Common Numerators or Denominators	Decompose Fractions as Sum of Fractions with the same Denominator	Decompose Fractions as Multiples of Unit Fractions	
5. Number and Operations: Fractions							Use Models / Illustrate Equivalent ractions	Compare Fractions Using Benchmark Fractions Such as 1/2	Add and Subtract Mixed Numbers Using Equivalent Fractions	Multiply Fractions by a Whole Number	
								Solve Problems Involving Multiplication and Division of Fractions	Convert Fractions with Denominators 10 or 100 to Decimals	Solve Problems Involving Addition and Subtraction of Fractions	









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Webinars

• Performance accountability measures, transitional services, standard-based instruction, TABE instructional strategies for 11/12, and promising practices to further enhance AE systems.

New Resources that will aid teachers and program effectiveness

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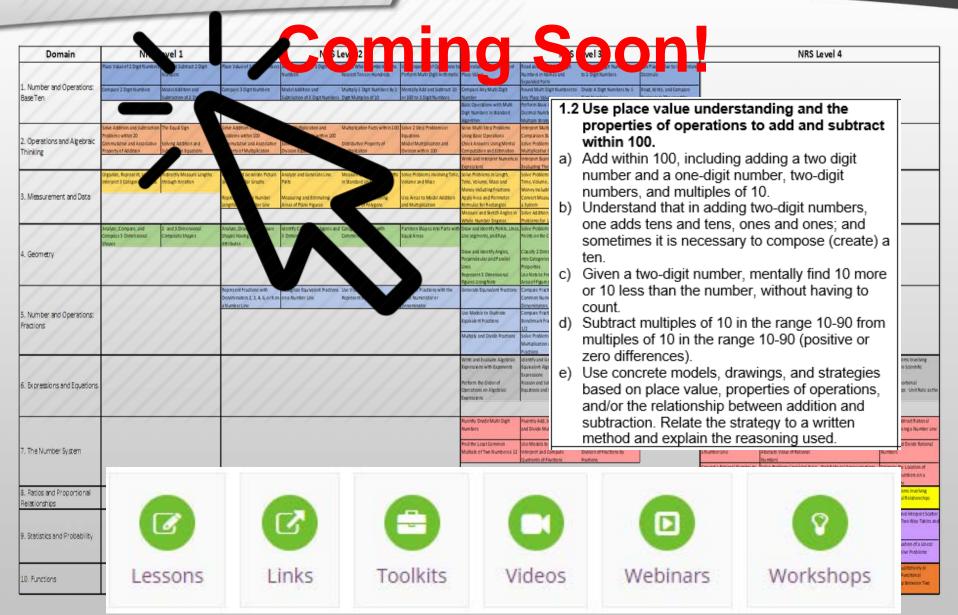
TABE 11/12 Assessment Trainer On-line Certification To replace the Face-to Face trainings with an online version

- How to Administer
- Refresher
- How to Interpret the Scores

Building Capacity Workshops – Transitioning from ABE to GED® Prep, a Train-the-Trainer Initiative



Hyperlinks to Standards and Resources







From the IPDAE Team, we thank you!







IPDAE would like to know what you think! Please complete this quick survey.