





Objectives

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To improve overall adult student achievement by:

- Getting to know our adult students better
- Understanding what knowledge (content standards) and skills (standards of practice) students need to master in order to be successful
- Exploring readily available **resources** from the IPDAE Website that target adult education content standards.
- Understanding the **assessment** that will measure students' performance against these standards
- Using knowledge of students, curriculum, resources and assessment to **plan/design** lessons that will help students succeed.





Knowing Our Students

- Who are they?
- What skills do they need?
- What skills do they have?
- Are they prepared to be college and career ready?





What is the entrance criteria for the program?

The GED[®] program is open to any student age sixteen or over who does not have a State of Florida recognized high school diploma. A student of legal school age must have declared his/her intent to withdraw from the regular school program or provide proof of withdrawal. State Board of Education Rule 6A.6.014.



"The adult education system cannot stand still while the world around us is changing."

Cheryl Keenan, Director of Adult Education and Literacy, OVAE: NCFL 2013



As Instructional Leaders

- Knowledge to lead implementation of College and Career Readiness Standards (CCRS)
- Vision to integrate the implementation of the CCRS into broad education improvement efforts
- Metrics to clearly describe what successful progress in implementation looks like and facilitates a flexible cycle of change
- **Build capacity** so that all members of the education landscape are learning together
- Stay engaged to keep informed of the latest developments and resources

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- Students entering the workforce need critical knowledge and skills that can be used on an ongoing basis
- Pursuing a career pathway that will support a family requires the ability to perform complex tasks
- Adult education programs must provide students an opportunity to acquire more advanced skills













Getting to Know Our Students

NRS and GE Levels as Related to TABE Scores

NRS Levels GE Levels	FDOE LCPs*	TABE Level	Reading	Total Mathematics	Language
ABE Beginning Literacy (GE 0-1.9)	A, E, J	L/E	≤367	≤313	≤389
ABE Beginning Basic (GE 2.0-3.9)	В, F , К	E/M	368-460	314-441	390-490
ABE Intermediate Low (GE 4.0-5.9)	C, G, M	M/D	461-517	442-505	491-523
ABE Intermediate High (GE 6.0-8.9)	D, H, N	D/A	518-566	506-565	524-559



NRS TEST BENCHMARK FOR ABE AND ASE EDUCATIONAL FUNCTIONING LEVELS

GE Levels	TABE Performance Scores
Beginning ABE Literacy (GE 0–1.9)	Reading: ≤367 Total Mathematics: ≤313 Language: ≤389
Beginning Basic Education (GE 2.0–3.9)	Reading: 368 - 460 Total Mathematics: 314 - 441 Language: 390 - 490
Low Intermediate Basic Education (GE 4.0–5.9)	Reading: 461 - 517 Total Mathematics: 442 - 505 Language: 491 - 523
High Intermediate Basic Education (GE 6.0–8.9)	Reading: 518-566 Total Mathematics: 506 - 565 Language: 524 – 559
Low Adult Secondary Education (GE 9.0-10.9)	Reading: 567-595 Total Mathematics: 566 - 594 Language: 560 - 585
High Adult Secondary Education (GE 11.0–12.9)	Reading: 596 and above Total Mathematics: 595 and above Language: 586 and above



Use your own student roster data to determine the GE Levels of your students.

Label them as follows:

•

- Beginning ABE Literacy
- Beginning Basic Education
- Low Intermediate Basic Education
- High Intermediate Basic Education
- Low Adult Secondary Education
 - High Adult Secondary Education
- LIT – BEG
- LOW
- HIGH
- LASE
- HASE
- You may use the student grouping worksheet to assign

students in their GE Level Groups for easy differentiation.

Pdae BY EDUCATORS F	OR EDUCATORS	Your Curriculum Frameworks
FLORIDA E EDUC		at Bit Neuralan Neu Bit Contact Bi ary pois looking (sr? Contact Bit Intradiutry PINANCE POLICY
2013-2014 Adult Education	Adult Basic Education (ABE)	ipdae 🗇 Institute for the Procession
Curriculum Frameworks 2014-2015 Adult Education Curriculum Frameworks	Adult Basic Education Language Arts (POR, 8448) Adult Basic Education Mathematics (POR, 9158) Multi Basic Education Mathematics (POR, 9158) Adult Basic Education for Adults with Disabilities	ABE - Toolkits
2015-2016 Adult Education Curriculum Frameworks	Adult General Education for Adults with Disabilities (PDF, 396KB) Adult High School	
2016-2017 Adult Education Curriculum Frameworks	<u>Adult High School</u> (PDF, 643KB) <u>Adult High School (Co-Enrolled)</u> (PDF, 630KB) 2015-16 Co-Enrolled (PDF, 630KB)	CCRS Workshop Docs Florida College and Career Readiness Standards for Adult Education (CCRSAE)
Adult Education Career Pathways	English for Speakers of Other Languages (ESOL)	Florida Department of Education Adult Basic Education Curriculum Framework
Adult Education Statutes and Rules	 Adult English for Speakers of Other Languages (ESQL) (POF, 65648) Adult ESQL Celege and Career Readinesis (POF, 34948) Adult ESQL Literary Skills (PDF, 44488) 	(2) Auit Basic Equivalence and parage First (1907) (1908) (2) Adult Basic Education Matematica (1975) (1908) (2) Adult Basic Education Reading (PDF, 517KB)
Adults with Disabilities	<u>Extremany</u> (PGF, 15448) <u>English Literacy for Carser and Technical Education (ELCATE</u>) (PDF, 45548) (EDB Researching Decamp	Piorida Department of Education GEDII Preparation Program (a) GEDIP Research of Education (PDF, 905KB) (b) GO(PDP Research (PDF, 905KB)) (c)
Pescores CEUP reparation rings and Technical Asstance Papers CEUD Science Proc. Anna CEUD Sc	GEDB Science PPG, 40(8)	(a) (CED# Preparation Comprehensible (PET, 704-08)) (a) (CED# Social Studies (PET, 608/08) (b) (CED# Social Studies (PET, 608/08))
	GED® Preparation Comprehensive (PDF, 8048) GED® Integrated Preparation Comprehensive (PDF, 8048)	GED Testing Service® Assessment Targets
	Applied Academics for Adult Education (AAAE)	College and Career Readiness Standards (CCRS) for Adult Education
	Applied Academics for Adult Education (PDF, 740KB)	CCRS for Math with Resources
		Related Readings and Research
		Florida CCRSAE Workshop 1
		From Theory to Practice: Setting the Stage for Implementing the Florida College and Career Readiness Standards into the ABB Curriculum (May 27-28 2015)



Content Standards



CCRS ABE Mathematics Domains

- 1. Base Ten Numbers and Operations
- 2. Algebraic Thinking
- 3. Measurement and Data
- 4. Geometry
- 5. Fractions and Operations
- 6. Expressions and Equations
- 7. The Number System
- 8. Ratios and Proportional Reasoning
- 9. Statistics and Probability
- 10. Functions

ipdae	Statistics Domain
 3.2 Summarize and describe distributions. a) Display numerical data in plots on a number line, including dot plots (graph of data using dots), histograms (bar graph using ranges of data), and box plots (graph uses rectangles with lines extending from the top and bottom). 	 4.2 Use random sampling to draw inferences about a population. a) Understand that statistics can be used to gain information about a population by examining a sample of the population Generalizations about a population from a sample are valid only if the sample is representative of that population. Understand that random sampling tends to produce representative samples and support valid inferences. b) Use data from a random sample to draw inferences about a population with an unknown characteristic of interest. c) Generate multiple samples (or simulated samples) of the same size to gauge the variation in estimates or predictions.
	 4.3 Draw informal comparative inferences about two populations. a) Informally assess the degree of visual overlap of two numerical data distributions with similar variabilities. Measuring the difference between the centers by expressing it as a multiple of a measure of variability. b) Use measures of center (median and mode) and measures of variability (interquartile range and mean absolute deviation) for numerical data from random samples to draw informal comparative inferences about two populations.



Let's examine the strengths and needs of some students.

- 1. Highlight the students' scale scores and identify their GE Level.
- 2. Identify the weaker content area.
- 3. Within the content area, identify/highlight the weak objective(s).
- 4. Identify the weak objective(s) that were the most common among the 6 students.





- MP.3 Furthering Lines of Reasoning
- MP.4 Mathematical Fluency •
- MP.5 Evaluating Reasoning and Solution Pathways •







Sample Problem

 Amanda has \$4.00 remaining in her checking account right before she made an Internet purchase from Itunes for a discounted music album for \$6.00. How much will be the balance on her checking account after her purchase?





Strategies for Problem Solving

Sample Problem

2. Jill places 3 apples and 4 oranges inside a brown paper bag. If she pulls a fruit at random from the same bag, what is the probability that she will pull out an apple?

Jill pulled out an apple from the bag. If she tries to pull out another fruit at random from the same bag, what is the probability that she will pull another apple?





Sample Problem

3. A cupcake recipe asks for $\frac{3}{4}$ of a cup of butter. Tony wants to make $\frac{1}{2}$ of the original recipe. How many cups of butter will Tony need?







Websites:

http://www.mathlearningcenter.org/web-apps/geoboard/

http://www.glencoe.com/sites/common_assets/mathema tics/ebook_assets/vmf/VMF-Interface.html

http://www.mathlearningcenter.org/web-apps/number-line/





Exploring the Math Reasoning Module

Please visit myged.com to and view the webinar on Exploring the Mathematical Reasoning Module of 2014 GED Test to get more information on the framework, content and format of the new test.



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Similarities























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