



- 2010-2013 Mathematics Teacher (Pre-Algebra, Algebra 1 & 2, Advanced Mathematics, Pre-Calculus, Selected Topics in Mathematics, AP Calculus AB & BC, Physical Science and Physics) 2001-2010 Math and Science Department Head 2005-2008 Supervising Teacher 2001-2003 Robotic Conch

- Supervising reacher 2001-2003 Robotics Coach Grant Coordinator Learn and Serve America Adult Education Credit Teacher 2008-2013 Hilbsborugh County Master Trainer (Technology in the Classroom, Lesson Planning, Teacher Evaluation, Using Data to Improve Programs, Smart Board, GED Mathematics and PLC Facilitation) .



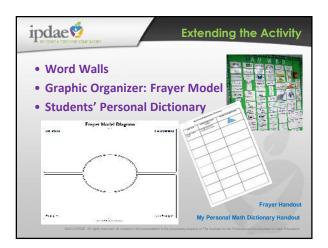
www.linkedin.com/in/oneroncruz/ Email: ronald.cruz@live.com

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### **Connections Activity**

- All participants should be seated in groups around their respective tables.
- 5 randomly selected participants will be given a ball of yarn.
- Starting with the 5 participants from each group, they will share something about themselves (hobbies, likes, school, about students, trips, family, something special or interesting).
- Once they find a participant that has the same thing in common, they will then pass the ball of yarn, keeping one end of the yarn.
- This turn will continue until every person is holding a piece of yarn or after 5-7 minutes.



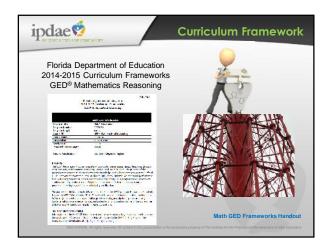


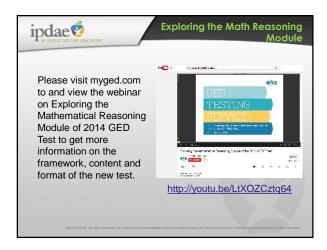


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### **Learning Objectives**

- By the end of this training participants must be able to: Demonstrate increased understanding of the 2014 GED Test Understand the standards assessed by the 2014 GED Test
- Become familiarized with the format of the 2014 GED Test
- Demonstrate understanding of Webb's Depth of Knowledge Framework
- Apply strategies implementing the five Mathematical Practices outlined in the 2014 GED Assessment Guide Apply TI-30XS calculator skills when solving problems
- Identify and address weakest content indicators released by GED Testing Service. • Identify and address common student misconceptions
- Solve 2014 GED Released Sample Items
- Implement a plethora of strategies and develop ways to
- implement certain strategies to meet various students' needs.
- Explore materials and resources that will engage students

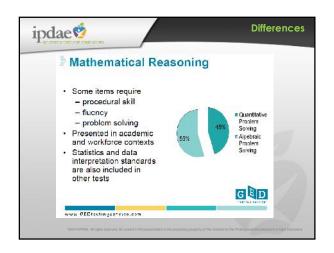




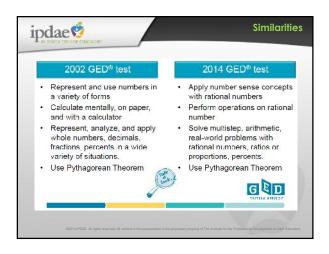








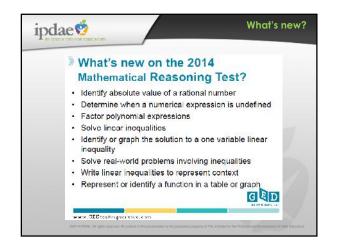


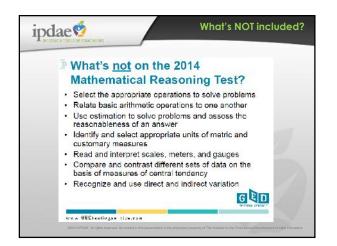


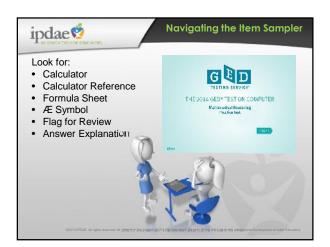
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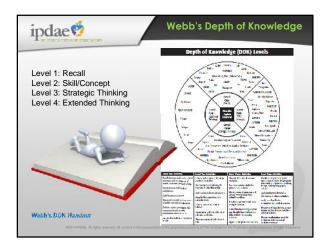




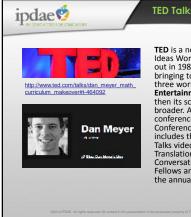












#### **TED Talks Video Presentation**

TED is a nonprofit devoted to ldeas Worth Spreading. It started out in 1984 at a conference bringing together people from three worlds: Technology, Entertainment, & Design. Since then its scope has become ever broader. Along with two annual conferences -- the TED Conference and TEDGlobal -- TED includes the award-winning TED Talks video site, the Open Translation Project and TED Conversations, the inspiring TED Fellows and TEDx programs, and the annual TED Prize.

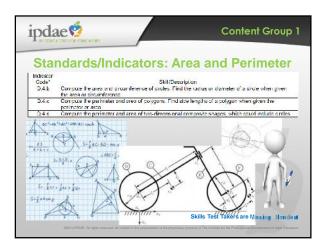


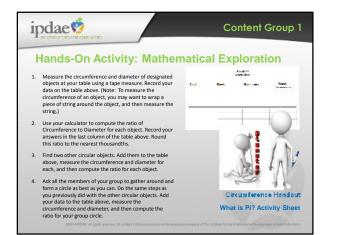


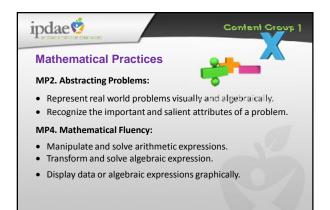
	Algebraic Reasoning:		
Indicator			
Coce*	Skil/Description		
A.5.a	Locale points in the coordinate plane.		
A.5.b	Determine the slope of a line from a graph, equation, or table. Graph two-variable linear equations		
Code* A.1.c	Skil/Description Create linear expressions as part of word-to-symbol translations or to represent situations you have		
Indicator			
	been given.		
A.2.c	Create one for two variable linear equations to represent situations you have been given.		
A.3.d	Create one-variable linear inequalities to represent situations you have been given.		
	tical Practice and Content Interaction: Search for and recognize entry points for solving		
a probler	a		
Indicator			
Code*	Skil/Description		
A2.a A3.a	Solve one variable linear equations, and formulas with multiple variables.		
	Solve Inear inequalities in one variable. Solve one variable guadratic equations with real solutions, using any appropriate method.		









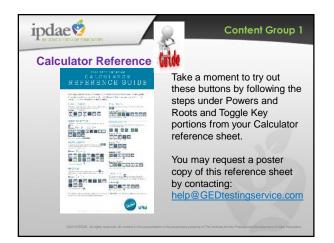


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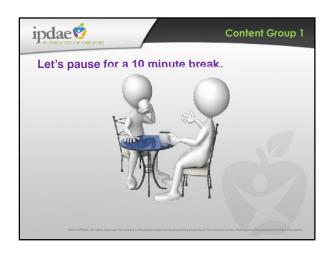




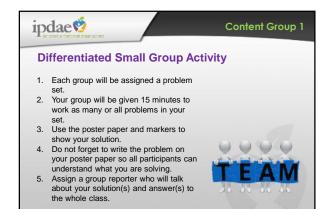


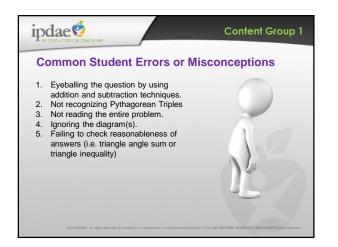


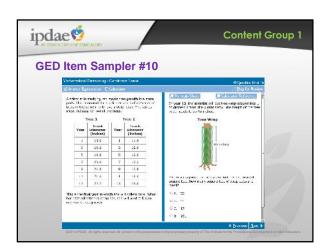




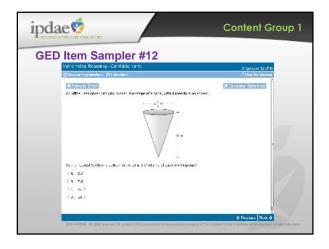












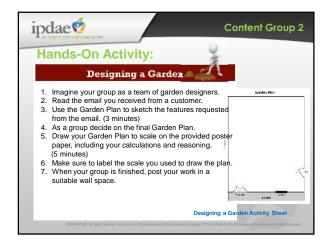














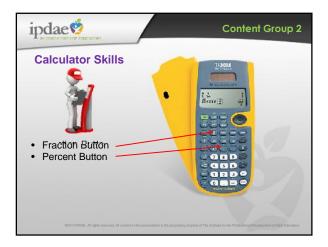


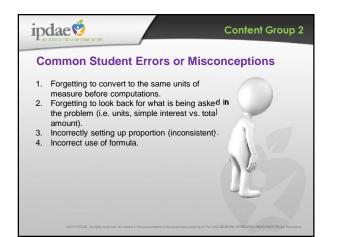
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### Content Group 2

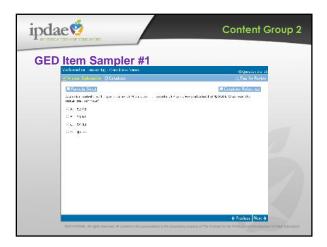
### **Mathematical Practices**

- MP1. Building Solution Pathways and Lines of Reasoning
- Search for and recognize entry points for solving a problem.
- Plan a solution pathway or outline a line of reasoning.Select the best solution pathway, according to given criteria.
- MP2. Abstracting Problems
- Represent real world problems visually and algebraically.
- hepresent real world problems visually and algebraicany.
- MP4. Mathematical Fluency
- Manipulate and solve arithmetic expressions.
- MP5. Evaluating Reasoning and Solution Pathways
- Recognize flaws in others' reasoning.
- Identify the information required to evaluate a line of reasoning.





# Content Group 2 Paper and Pencil Activities for your Students e Interview Buying Concert Tickets e Going Shopping Creating a Menu \*All these worksheets are also stored in your Math DefragGED USB Drive.



Item Sampler #4	
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