KYAE Skills U Lesson Bank

Math Lessons			
Lesson Title	**Author**	**Career Cluster**	**NRS Level(s)/MWOTL/Supporting and Connecting Standards/ Components of Rigor/Mathematical Practice and Employability Standards**
Absolutely	Cheryl Botner	• Information Technology	• Level 4 • Level D Num: Extending number sense • 6.NS.7 • 6.NS.5 • 3.NF.2a 3.NF.2b • Conceptual Reasoning Procedural skill and fluency Application • MP.4 MP.6 MP.7 • E.6 E.7 E.8
Add and Subtract Fractions	Sarah Simpson	• Health Science	• Level 3 • Level C Num: fraction equivalence Num: sums, differences of fractions • N.NF.3c 5.NF.1 • N.NF.3a 4.NF.3d 5.NF.2 • Conceptual Understanding Procedural skill and fluency Application • MP.4 MP.5 MP.6 • E.6 E.7 E.8
Add and Subtract Integers	Sarah Simpson	• Health Science	• Level 4 • Level D Num: Extending number sense • 6.NS.7 7.NS.1 • 6.NS.6 6.NS.6a 7.NS.1b • Conceptual Understanding Procedural skill and fluency Application • MP.2 MP.4 MP.8

			E.7 E.8 E.9
Adding Integers	Anna Adams and Sherry Combs	• Finance	• Level 4 • Level D Num: Extending number sense • 7.NS.1 • 6.NS.6a • Level A 1.0A.2 • Level C 4.MD.2 • Conceptual Understanding Procedural skill and fluency Application • MP.5 MP.7 MP.8 • E.1 E.6 E.8
Adding Polynomials		• Science, Technology, Engineering and Mathematics	• Level 5 • Level E Alg: polynomials and rational expressions • A.APR.1 • A.CED.1 A.CED.4 • Level C 4.MD.3 • Conceptual Understanding Application • MP.2 MP.7 • E.1 E.6
Analyze Proportional Relationships (Scale Factors)	Ashley Gootee	• Architecture and Construction • Arts, Audio/Video Technology and Communications • Manufacturing • Marketing • Transportation, Distribution, and Logistics	• Level 4 • Level D Num: ratio and rate • 6.RP.3 7.RP.1 • 7.G1 • Level C 6.NS.1 • Conceptual Understanding Procedural skill and fluency Application • Mp.4 MP.6 MP.8 • E.6 E.7 E.9
Analyzing Trends		• Hospitality and Tourism • Manufacturing	• Level 4 • Level D Stats: probability • 6.SP.5 7.SP.6 • 7.SP.7 7.SP.8b

		• Transportation, Distribution and Logistics	• Level C 6.SP.4 • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.6 • E.4 E.7
Budgeting: Learning to Manage Money to Achieve Your Goals	Beth Rudd	• Student Retention and Persistence	• Level 3 Level 4 • Level D Num: Extending number sense • 7.Ns.3 • 3.NBT.2 • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.4 MP.7 • E.7 E.8
Budgeting with Math			• Level 4 • Level D Num: Extending number sense Alg: expressions and linear equations • 7.Ns.3 7.EE.3 • 3.NBT.2 6.RP.3c • Conceptual Understanding Procedural skill and fluency Application • MP.1 Mp.5 Mp.7 • E.7 E.8
Calculating Percent in Real-Life Situation	Ashley Gootee	• Business Management and Administration • Finance • Marketing	• Level 4 • Level D Num: ratio and rate • 6.RP.3c • 7.EE.3 • Level D • Conceptual Understanding Procedural skill and fluency Application • Mp.1 MP.4 • E.7 E.9
Calculating Perimeter and Area of Rectangle	Ashley Gootee	• Architecture and Construction • Information Technology	• Level 4 • Level D Geo: Solving 2- and 3- dimensional figures

		• Science, Technology, Engineering and Mathematics • Transpiration, Distribution and Logistics	• 7.G.6 • 4.MD.3 7.EE.4a • Level C 4.MD.3 6.G.4 • Level D 8.EE.2 • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.4 • E.7 E.9
Checkbook Integers		• Finance	• Level 4 • Level D Num: Extending number sense • 7.NS.1 7.NS.1b • 7.NS.1a 7.NS.1c • Level C 6.NS.6 • Level D 6.NS.7c • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.6 • E.2 E.5
Circumference and Area of a Circle	Annette Jefferson		• Level 4 • Level C Alg: expressions and equations • Level D Alg: expressions and linear equations Geo: Solving 2- and 3-dimensional figures • 6.EE.1 7.G.4 • 6.EE.2c • Conceptual Understanding Procedural skill and fluency Application • MP.5 MP.6 MP.7 • E.2 E.6
Combining Operations	Sarah Simpson	• Health Science	• Level 4 • Level D Num: Extending number sense • 7.NS.1d 7.NS.2 • 5.OA.1

			• Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.6 • E.7 E.8
Composite Shapes	Ashley Gootee		• Level 2 • Level B Geo: area • 3.MD.7 1.G.2 3.G.2 • Level B 3.MD.5 3.MD.6 • Level C 4.MD.3 5.NF.4 • Conceptual Understanding Procedural skill and fluency Application • MP.4 MP.6 MP.7 • E.7 E.8
Converting Fractions to Decimals and Decimals to Fractions	Beth Rudd	• Architecture and Construction	• Level 4 • Level D Num: Extending number sense • 7.NS.2d 7.NS.3 • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.2 MP.4 • E.3 E.7 E.8
Cover This (Finding Area)	Lindsey LaBore		• Level 4 • Level D Geo: Solving 2- and 3-dimensional figures • 7.G.6 • 6.G.1 7.G.4 • Level C 4.MD.3 • Level D 8.EE.2 8.NS.2 • Conceptual Understanding Procedural skill and fluency Application • MP.2 MP.4 MP.6 • E.1 E.6 E.8
Decimals	Sarah Simpson	• Health Science	• Level 3 • Level C Num: decimals to thousandths Num: operations

			• 5.NBT.7 6.NS.3 • 4.NF.6 5.NBT.3 6.EE.2c • Conceptual Understanding Procedural skill and fluency Application • MP.6 • E.1 E.7 E.8
Divide and Conquer	Ashley Gootee		• Level 5 • Level D Geo: Solving 2- and 3-dimensional figures • Level E Geo: using models • 7.G.4 7.G.6 • 5.MD.5c 6.EE.2c G.GMD.3 • Level E G.MG.2 • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.2 MP.6 • E.1 E.6 E.7
Education Pays	Susie Roberts		• Level 5 • Level D Num: ratio and rate • 7.RP.3 • 6.RP.3c • 6.RP.1 • Conceptual Understanding Procedural skill and fluency • MP.2 • E.7
Employability Skills Lesson 3	Susie Roberts	• Career Exploration • Soft Skills	• Level 2 Level 3 • Level C Num: rational numbers • 4.NBT.4 • 3.NMT.3 4.NBT.3 • Procedural skill and fluency • MP.6 • E.6 E.7
Employability Skills Lesson 4	Susie Roberts	• Career Exploration	• Level 3

			• Level D Stats: data distributions • 6.SP.5 • E.2 E.6 e.9
Equations for Trade Jobs	Beth Rudd	• Architecture and Construction	• Level 4 • Level D Alg: expressions and linear equations Alg: Solving linear equations • 7.EE.4a • 7.EE.4 8.EE.7 • Conceptual Understanding Application • MP.1 MP.2 MP.4 • E.7
Equivalent Fractions	Sarah Simpson	• Health Science	• Level 2 • Level B Num: understanding fractions • Level C Num: fraction equivalence • 3.NF.2a 3.NF.2b • 4.NF.2 • 3.NF.3 3.NF.3a 3.NF3b • Conceptual Understanding Procedural skill and fluency Application • MP.4 MP.5 MP.6 • E.6 E.7 E.8
Event Planning	Jerra Wood	• Hospitality and Tourism	• Level 4 • Level D Geo: scale drawings • Level D 7.G.1 8.G.4 • 7.G.6 • Level C 4.MD.3 • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.4 MP.5 • E.6 E.7
Exponents, Roots, and Scientific Notation	Sarah Simpson	• Health Science	• Level 4 • Level D Num: Extending number sense • Level C Alg: expressions and equations • Level C 6.EE.1

			• 5.NBT.2 8.EE.2 8.EE.4 • Conceptual Understanding Procedural skill and fluency Application • MP.2 MP.6 • E.7 E.9
Factoring Polynomials	Erron Prickett		• Level 5 • Level E Alg: polynomials and rational expressions • A.APR.1 • A.APR.6 A.CED.1 • Conceptual Understanding Application • MP.2 MP.7 • E.1 E.6
Finding the Unknown Percent, Part, or Whole for Trade Jobs	Beth Rudd	• Architecture and Construction	• Level 4 • Level D Num: ratio and rate • 6.RP.3c • 7.EE.3 • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.2 MP.4 • E.7
Funky Equations of the Line	Diane Kelley		• Level 4 • Level D Alg: concept of functions • 8.F.3 • 8.F.1 8.SP.3 • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.5 MP.7 • E.1 E.7 E.8
Funky Functions	Diane Kelley		• Level 4 • Level C Alg: expressions and equations • 4.OA.5 • Level B 3.OA.9 • Level C 6.EE.2

			• Conceptual Understanding Application • MP.1 MP.8 • E.1 E.7 E.8
Funky Patterns	Diane Kelley		• Level 4 • Level C Alg: expressions and equations • 4.OA.5 • Level B 3.OA.9 • Level C 6.EE.2 • Conceptual Understanding Application • MP.1 MP.8 • E.1 E.7 E.8
Funky Town Festival	Diane Kelley		• Level 4 • Level D Alg: concept of functions Alg: Graphing functions • 8.F.3 • Level D 8.F.4 8.SP.3 • Level E A.SSE.3 F.IF.8b • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.8 • E.7 E.8
Grid and Battleship			• Level 4 • Level D Num: Extending number sense • 6.NS.7 • 6.NS.6B • Level D 7.NS.1a • Conceptual Understanding Procedural skill and fluency Application • MP.4 MP.5 MP.6 • E.2 E.7 E.8
Hospital Beds, Nurse's Aides, and the Future	Laura Lang	• Health Science	• Level 4 Level 5 • Level D Num: ratio and rate Alg: expressions and linear equations • 7.RP.1 7.EE.4

			• 7.SP.7 • Level C 4.NF.3 4.NF.6 • Application • MP.3 MP.4 • E.1 E.2 E.7
How Steep Is It?	Ashley Gootee		• Level 5 • Level D Alg. Proportional relationships Alg. Graphing functions • 8.EE.5 • 7.RP.2a 7.RP.2d F.IF.6 • Level D 8.F.4 8.F.5 • Level E A.REI.10 • Conceptual Understanding Procedural skill and fluency Application • MP.4 MP.6 MP.8 • E.3 E.6 E.7
Introduction to Circles	Ashley Gootee		• Level 3 Level 4 • Level D Num: ratio and rate Geo: Analyzing shapes • 7.G.4 • 6.RP.3d 7.RP.2 • Conceptual Understanding Procedural skill and fluency Application • MP.4 MP.5 MP.7 • E.1 E.5 E.6
Introduction to Pythagorean Theorem	Pat McKinley		• Level 4 • Level D Geo: Pythagorean theorem • 8.G.7 • 6.EE.2c 6.EE.6 8.EE.2 • Level C 6.EE.5 6.EE.7 • MP.3 MP.4 MP.8 • E.1 E.7 E.8
Introduction to Signed Numbers	Sarah Menhouse		• Level 4 • Level D Num: Extending number sense

			• 7.NS.1 • Level D 6.NS.6c • Conceptual Understanding Procedural skill and fluency Application • Mp.1 MP.5 MP.7 • E.6 E.7 E.10
It's Party Time!	Stacey Dove	• Finance	• Level 2 Level 3 • Level B Num: div as inverse of multi • Level C: Num: operations • Level C: 4.NBT.6 • 3.OA.6 • Level C 6.NS.4 • Conceptual Understanding Procedural skill and fluency Application • MP.2 MP.3 MP.6 • E.1
Locate Points in the Coordinate Plane	Annette Jefferson		• Level 3 Level 4 • Level C Geo: coordinate plane • 5.G.1 5.G.2 • 4.G.1 • Level C 6.NS.6 • Conceptual Understanding Procedural skill and fluency Application • MP.5 MP.6 MP.7 • E.6 E.7
Location, Location, Location: Navigating in the Coordinate Plane	Jackie Robertson		• Level 3 Level 4 • Level C Geo: coordinate plane • Level D Num: Extending number sense • 5.G.1 5.G.2 • 6.NS.6c 6.NS.8 W/WHST.6-8.2 • Level C 6.NS.6 • Level D 6.NS.8 8.F.4 • Conceptual Understanding Procedural skill and fluency Application

			• MP.4 MP.5 MP.7 • E.1 E.6 E.9
Math Skills for Carpet & Tile Installation	Beth Rudd	• Architecture and Construction	• Level 3 Level 4 • Level C Geo: coordinate plane • Level D Num: Extending number sense • 4.MD.3 5.MD.1 7.EE.4 • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.4 MP.5 • E.1 E.6 E.7
Mean, Median, Mode, Range	Jennifer Yellets Sarah Simpson Donnie Osborn Vickie Cline		• Level 4 • Level D Stats: data distributions • 6.SP.5 • 6.NS.7 6.SP.2 • Level B • Level D • Level E N.Q.3 S.ID.3 • Conceptual Understanding Procedural skill and fluency Application • MP.2 MP.3 MP.5 • E.6 E.7
Measures of Central Tendency	Sarah Simpson	• Health Science	• Level 3 • Level C Stats: statistical variability • 6.SP.3 • Conceptual Understanding Procedural skill and fluency Application • MP.5 MP.6 • E.1 E.6 E.7
Measuring Angles	Annie Adams Sherry Combs		• Level 3 • Level C Geo: classifying figures • 4.G.1 • 4.MD.5 4.MD.6 • Level D 8.G.5

			• Conceptual Understanding Procedural skill and fluency Application • MP.5 MP.6 MP.8 • E.6 E.7
Medical Math and Unit Conversions	Ashley Gootee	• Health Science	• Level 3 • Level D Num: ratio and rate • 6.RP.3d • 3.MD.2 5.MD.1 • Level D 7.SP.7 7.SP.8a • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.5 MP.6 • E.1 E.6 E.7
Multiply and Divide Fractions	Sarah Simpson	• Health Science	• Level 3 • Level C Num: sums, differences of fractions Num: ratio/rate to multi/div • 5.NF.4 5.NF.7 • 4.NF.4 4.NF.4c 6.NS.1 • Conceptual Understanding Procedural skill and fluency Application • MP.4 MP.6 • E.6 E.7 E.8
Multiply Polynomials	Erron Prickett		• Level 5 • Level E Alg: polynomials and rational expressions • A.APR.1 • 5.NBT.5 A.CED.1 A.CED.4 • Conceptual Understanding Application • MP.2 MP.7 • E.1 E.6
Ohm's Law: Equations for Electricians	Beth Rudd	• Architecture and Construction	• Level 4 • Level D Alg: expressions and linear equations Alg: Solving linear equations • 7.EE.4a

			• 7.EE.4 8.EE.7 • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.2 MP.4 • E.7
Oxygen Needs by the Numbers	Laura Lang	• Health Science	• Level 4 • Level D Num: ratio and rate • 7.RP.1 • 6.NS.7 6.RP.1 • Procedural skill and fluency • MP.4 MP.6 • E.1 E.7
Percent and Pie Charts	Ashley Gootee	• Manufacturing	• Level 3 Level 4 • Level D Num: ratio and rate • 6.RP.3c 6.RP.3d • 7.EE.2 • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.4 • E.7 E.9
Percent Applications	Sarah Simpson	• Health Science	• Level 4 • Level D Num: ration and rate • 6.RP.3c 7.RP.3 • 6.RP.1 • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.2 • E.6 E.7 E.9
Percent Basics	Sarah Simpson	• Health Science	• Level 3 • Level D Num: ratio and rate • 6.RP.3 6.RP.3c • 6.RP.3a • Conceptual Understanding Procedural skill and fluency Application

			• MP.2 MP.7 • E.1 E.7 E.8
Positive and Negative Numbers	Angela Strether		• Level 4 • Level D Num: Extending number sense • 6.NS.7 7.NS.1 • 6.NS.5 • 6.NS.6c 6.NS.7a • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.2 MP.4 • E.7
Pre-Algebra Basics	Sarah Simpson	• Health Science	• Level 3 • Level C Alg: expressions and equations • Level D Alg: proportional relationships • 6.EE.2a 6.EE.6 • 5.OA.2 6.EE.2 • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.2 MP.6 • E.1 E.6 E.7
Proportional Relationships	Ashely Gootee	• Agriculture, Food and Natural Resources	• Level 4 • Level D • 7.RP.2 • Level C • Level D • Conceptual Understanding Procedural skill and fluency Application • Mp.1 Mp.2 Mp.3 • E.6 E.7 E.8
Proportions for Trade Jobs	Beth Rudd	• Architecture and Construction	• Level 4 • Level D Num: ratio and rate Alg: proportional relationships • Level D 6.RP.3 6.RP.3b 7.RP.3 • 4.NF.1 4.OA.2

			• Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.4 • E.7 E.9
Ratio and Proportion	Sarah Simpson	• Health Science	• Level 4 • Level D Num: ratio and rate Alg: proportional relationships • Level C Num: ratio/rate to multi/div • Conceptual Understanding Procedural skill and fluency Application • Mp.1 MP.8 • E.6 E.7 E.9
Ratio and Proportion- Using a Double Number Line		• Health Science	• Level 3 • Level D Num: ratio and rate • Level C Num: ratio/rate to mult/div • Level C 6.RP.1 6.RP.2 • Level D 6.RP.3 • 6.RP.3a 7.RP.2 • Level C 4.OA.2 5.MD.2 • Level D 7.sP.7 8.F.4 • Conceptual Understanding Procedural skill and fluency Application • MP.2 MP.4 MP.5 • E.7 E.8
Real World Perimeter and Area	Annette Jefferson		• Level 2 Level 3 • Level B Geo: area • Level C Num: operations Geo: classifying figures • Geometry Level B 3.MD.5 • 3.MD.84.MD.3 4.NBT.3 • Level B 3.OA.5 • Conceptual Understanding Procedural skill and fluency Application • MP.4 MP.5 MP.7

			• E.5 E.6 E.7
Real-Life Proportions	Ashley Gootee	• Business Management and Administration • Finance	• Level 4 • Level D Num: ratio and rate Alg: proportional relationships • 6.RP.3 7.RP.3 8.EE.5 • 6.RP.3b 7.RP.2a 7.RP.2b • Level D 7.SP.7 8.F.4 • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.4 MP.8 • E.7 E.9
Real-Life Ratios and Rates	Julie Snider	• Business Management and Administration • Finance	• Level 4 • Level D Num: ratio and rate • 6.RP.3 7.RP.1 • 6.RP.3a 6RP.3b • Level C 6.EE.4 • Level D 7.SP.7 • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.4 MP.8 • E.7 E.9
Subtracting Polynomials	Erron Prickett		• Level 5 • Level E Alg. Polynomials and rational expressions • A.APR.1 • A.CED.1 A.CED.4 • Conceptual Understanding Procedural skill and fluency • MP.2 MP.7 • E.1 E.6
Talking to the Problem: Questioning Techniques for Geometry			• Level 5 Level 6 • Level D Alg: expressions and linear equations Geo: Solving 2- and 3-dimensional figures • 7.EE.3

			• 7.G.4 7.G.6 • 6.EE.5 8.G.4 • Level C 4.MD.3 • Level E G.GMD.3 • Conceptual Understanding Procedural skill and fluency Application • MP.1 Mp.2 MP.4 • E.6 E.7
Task-Based Pythagoras	Goldie McCalvin		• Level 4 • Level D Geo: Pythagorean theorem • 8.G.7 • 6.EE.1 8.EE.7 A.SSE.1 • Level C4.MD.4 6.EE.7 • Level D 8.EE.2 • Conceptual Understanding Procedural skill and fluency Application • Mp.1 MP.2 MP.5 • E.7 E.9
The Four Operations with Fractions for Trade Jobs	Beth Rudd	• Architecture and Construction	• Level 3 Level 4 • Level C Nums; sums, differences of fractions • Level D Num: Extending number sense • 5.NF.7 • 7.NS.3 • 4.NF.4c 5.NF.1 5.NF.3 • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.2 MP.4 • E.7 E.9
The Shape of Things to Come	Ashley Gootee		• Level 2 • Level B Geo: 2-dimensional shapes • 2.G.1 • 3.G.1 RI.3.7 • Level B

			• Level C 4.MD.5 • Conceptual Understanding Procedural skill and fluency Application • MP.4 MP.7 • E.1 E.6
The Volume of Prisms and Pyramids	Ashley Gootee		• Level 5 • Level D Geo: Solving 2- and 3-dimensional figures • Level E Geo: using models • G.GMD.3 • G.MG.2 RI.6.7 • Level E G.MG.2 • Conceptual Understanding Procedural skill and fluency Application • Mp.1 MP.2 MP.6 • E.1 E.6 E.7
Things that are Round	Ashley Gootee		• Level 4 Level 5 • Level D Geo: Solving 2- and 3-dimensional figures • Level E Geo: using models • G.GMD.3 • 6.EE.7 G.GO.1 • Level E G.MG.2 • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.5 MP.6 • E.1 E.5 E.7
Three Views of a Ratio: Using Unit Rate	Ashley Gootee	• Health Science	• Level 3 • Level D Num: ratio and rate • 6.RP.3 • 6.RP.3a 6.RP.3b • Level D 7.SP.7 7.SP.8a • Level C 4.OA.2 5.NF.7c

			• Conceptual Understanding Procedural skill and fluency Application • MP.2 MP.4 MP.5 • E.3 E.8
Three-Dimensional Shapes	Ashley Gootee		• Level 1 Level 2 • Level A Geo: shapes • K.G.4 • 2.G.1 • Level A 1.G.2 • Conceptual Understanding Procedural skill and fluency Application • MP.2 MP.5 Mp.7 • E.6 E.8
Three-Dimensional Shapes/Area and Nets	Ashley Gootee		• Level 3 • Level C Geo: volume, surface area • Level B Geo: area • 3.MD.7d • 5.G.3 • 6.G.4 • Level C 5.G.3 • Level B 2.G.1 3.G.1 • Conceptual Understanding Procedural skill and fluency Application • MP.7 • E.7 E.8
Time Management	Susie Roberts		• Level 3 • Level C Num: operations • 5.NBT.5 6.NS.2 • 4.NBT.6 5.NBT.5 5.NBT.6 • Level C 6.RP.1 • Conceptual Understanding Application • Mp.4 • E.5 E.7

Two-Dimensional Shapes/Area and Perimeter	Ashley Gootee		• Level 2 Level 3 • Level B Geo: area • 3.MD.5 • 3.MD.6 • Level A 1.G.2 • Level B 3.MD.6 3.MD.7 • Conceptual Understanding Procedural skill and fluency Application • MP.3 MP.5 • E.7 E.8
Understanding Fractions	Sherri Scott	• Agriculture, Food, and Natural Resources • Architecture and Construction	• Level 3 • Level C Num: ratio/rate to mult/div • 5.NF.4 5.NF.7 • Conceptual Understanding Procedural skill and fluency Application • MP.4 MP.5 MP.7 • E.5 E.6 E.7
Understanding Polynomials: A Brief Introduction		• Science, Technology, Engineering & Mathematics	• Level 4 Level 5 • Level E Alg. Defining Alg: structure of expressions • A.SSE.1 • A.SSE.1a • Conceptual Understanding Procedural skill and fluency Application • Mp.2 MP.7 • E.1 E.6
Understanding Ratios: Using Ratio Tables		• Health Science	• Level 3 • Level D Num: Ratio and rate • 6.RP.3 • 6.RP.3a • Level C 6.EE.7 • Level D 7.EE.2 8.F.4 • Conceptual Understanding Procedural skill and fluency Application

			• Mp.2 MP.4 MP.5 • E.6 E.8
Using Formulas in Real Life (Including Geometry Formulas)	Jerra Wood Mark Meade	• Manufacturing	• Level 5 • Level E Alg: structure of expressions • A.SSE.2 • A.CED.4 • Conceptual Understanding Procedural skill and fluency • MP.1 MP.7 • E.7 E.9
Using Proportion to Solve Percent	Derrick Mullins	• Finance	• Level 3 Level 4 • Level D Num: ratio and rate Alg: proportional relationships • 7.RP.3 • 5.NBT.4 6.RP.3c • Conceptual Understanding • MP.4 MP.6 • E.7
Volume of a Rectangular Solid	Ashley Gootee		• Level 4 • Level B Geo: area • Level C Geo: volume, surface area • 5.MD.5 5.MD.5b • 3.MD.2 5.MD.3 • Level B 3.MD.8 3.OA.5 • Level C 4.MD.3 • Conceptual Understanding Procedural skill and fluency Application • MP.4 MP.5 MP.6 • E.6 E.7 E.8
What Does the Future Hold?	Jerra Wood	• Hospitality and Tourism	• Level 3 Level 4 • Level C Stats: statistical variability • Level D Stats: data distributions • 6.SP.2 • 6.SP.5

			• 2.MD.10 3.MD.3 • Level C 6.SP.4 • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.4 • E.1 E.7
What's Your Profit?	Jerra Wood	• Hospitality and Tourism	• Level 4 • Level D Num: ratio and rate • 7.RP.2 7.RP.3 • 7.EE.2 7.EE.3 • Level C 6.EE.7 • Level D 7.EE.2 • Conceptual Understanding Procedural skill and fluency Application • MP.4 MP.6 • E.7
Whole Number Operations	Sarah Simpson	• Health Science	• Level 2 • Level B Num: add/subtract to 1000 Num: multi/div to 100 • Level C Num: operations • 2.NBT.7 3.NBT.2 • 4.NBT.5 4.NBT.6 • Conceptual Understanding Procedural skill and fluency Application • MP.4 • E.6 E.9
Word Problem Strategies	Sarah Simpson	• Health Science	• Level 2 • Level B Num: add/subtract to 1000 Num: mult/div to 100 • 2.OA.1 3.OA.3 • 3.OA.8 4.OA.3 • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.5

			• E.6 E.7 E.9
Wrap it Up- Part 1	Ashley Gootee		• Level 4 Level 5 • Level C Geo: volume, surface area • Level D Geo: Solving 2- and 3-dimensional figures • 7.G.6 • 6.EE.2c 6.EE.7 G.MG.2 • Level D 8.EE.2 • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.2 MP.6 • E.1 E.5 E.6
Wrap it Up- Part 2	Ashley Gootee		• Level 4 Level 5 • Level C Geo: volume, surface area • Level D Geo: Solving 2- and 3-dimensional figures • 7.G.6 • 6.EE.2c 6.EE.7 G.MG.2 • Level D 8.EE.2 • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.2 MP.6 • E.1 E.5 E.6
Y=MX+B (Just how FUNKY IS THAT?)	Diane Kelley		• Level 4 • Level D Alg: expressions and linear equations Alg: concept of functions • 8.F.3 • Level D 8.F.1 8.F.4 • Level E A.SSE.3 F.IF.8b • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.3 MP.5 • E.1 E.7 E.8