Course, Unit Lesson No.:	Lesson Title: a group investigation		Date(Periods:
	6 1 6			
Overall Expect investic	gate a math concept	Specific Expectations:		
earning Activ			Notes:	Multiple Intelligences
APPLICATIONS OF TRIGONOMETRY			EL adaptation	 Verbal/Linguistic Logical/Mathematical
Break students into groups				 Musical
			careful grouping,	 Visual/Spatial Bodily/Kinaesthetic
				 Interpersonal
			give students careful	 Intrapersonal
Each group needs to discovery a field of work that			instructions, provide	 Naturalistic Spiritual
involves the use of trigonometry			translation if needed,	Bloom's Taxonomy
ex. pythagorean theorem, trigonometric functions,			including specific	 Knowledge Comprehension
the law of Sines			vocabulary that is needed,	 Application
Assign different roles to students			confortable presentation	 Analysis Evaluation
(researcher, graphic designer, presenter)			environment	 Synthesis
				Reading Strategies
Prepare a presentation about the career and the mathematics that they use			SN adaptation	 Predicting/Revising Visualizing
				 Connecting text-text
			careful grouping, provide	 Connecting text-self Spatial patterning
Demonstrate the mathematics involved with the career		instruction and details	 Inferencing 	
		before, provide support	 Critical questioning 	
Famous individuals that contributed to this field and			during presentation	Media/Multi-Literacy o Authorship (Construct
			during presentation	 Format (Technique)
what they did.			 Audience Content (Values) 	
<u>.</u>				o Purpose
Check for understanding by providing insight, help				Design Grammars
and res	sources for students to use			 Linguistic Visual
				 Audio Audio
Guided practice will be through presentation of math used		Evaluations:	 Gesture Image 	
		Diagnostic:	 Spatial 	
		ask students where they	 Multi-modal A&E Strategies 	
independent practice will be through group and individual research		would use trig	 Diagnostic 	
			 Formative Summative 	
			Formative:	 Peer/Self Assessmen
answer questions from class and teacher		go around classroom and	• Checklist/Checkbrick	
		•	watch development of group	 Log/Journal Group Presentations
Materia	als		ideas and provide support	 Oral questioning
computer, whiteboard, research tools				 Conferencing Other:
Jonipul	omputor, wintoboard, research tools		Summative:	Cross-Curricular
			Graded off of group work,	 Differentiated Instruct Emotional Intelligence
		content, and presentation	 Metacognition 	
			skills	 ✓ Literacy ○ Numeracy
			SUIIS	 Numeracy Problem-solving
				 Pathways/Careers
				 Board Topics Character Education
				 Equity
				 Diversity Environmentalism
				 Anti-homophobia
0000170000			Homowork:	 Bullying Prevention
esources:			Homework: Reflect on using trig a profession, does it change y	ind math in you
Resources:			^{Homework:} Reflect on profession, does	using trig a it change y