

Instructor: Mike Gay	Department: Engineering
Course: Foundations of Engineering	School: CACC
Credential:	
Lesson Length: 1 day/ 90 minutes	Date:

Topic: Introduction to GD&T

RESOURCES: Computer Projector GD&T Fundamentals video ACYT QA Manager	PRIOR KNOWLEDGE: None ALABAMA COURSE OF STUDY STANDARDS & OBJECTIVES: FOE-4: Demonstrate the use of analog and digital precision measurement instruments utilized in engineering; ESSENTIAL QUESTIONS: How do you make a part anywhere in the world that works the same as anywhere else?
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STRATEGIES:

Discuss the importance of quality in engineering/manufacturing.
 Discuss GD&T terminology
 Show GD&T Fundamentals by “igetit” video
 Demonstrate on industry blueprints how to read GD&T language and what it all means.
 Classroom speaker; QA representative from area industry to discuss GD&T and its significance in the real world.
 Students demonstrate an understanding of GD&T reading basic blueprints in the lab.

CTSO ACTIVITY:

NOTES: Lesson created on the recommendation of Quality Manager at ACYT.

Methods			Assessment			
x	Lecture	x	Multi-media		Homework	On-task Ability
x	Demonstration		Group Problem		Class work	Project
x	Class Discussion	x	Individual Work		Test	Presentation
	Review		Other	x	Teacher Observation	
				x	Performance	

Provisions For Individual Differences

	Check work in progress		Review Sessions		Study Partner	Extended Time on task
	Monitor Assignments		Modified Content	x	Oral Reminders	Language Translation
x	Multi-sensory Approach		Pre-teach Content		Provide Lecture Notes	
x	Immediate Feedback		Review Directions		Personalized Examples	

Integrated Academics

Integrated Academics			Skill Sets				
x	Reading/Language Arts	x	Math Skills		Problem Solving	x	Technology Skills
	Writing			x	Critical Thinking		Employability Skills
	Social Studies				Decision Making		Teamwork
	Science				Interpersonal Skills		Leadership