

<b>Instructor: Mike Gay</b>	<b>Department: Engineering</b>
<b>Course: Foundations of Engineering</b>	<b>School: CACC</b>
<b>Credential:</b>	
<b>Lesson Length: 4 days/360 minutes</b>	<b>Date:</b>

**Topic: Spreadsheets and Budget**

<b>RESOURCES:</b> Computer, laptop and desktop Teacher designated materials PowerPoint ACYT notes on spreadsheets used in industry	<b>PRIOR KNOWLEDGE:</b> None  <b>ALABAMA COURSE OF STUDY STANDARDS &amp; OBJECTIVES:</b> <u>FOE-7</u> Utilize information technology as it relates to engineering, including spreadsheets, databases, word processors, audiovisual presentations, and Internet research. <u>FOE-13</u> Identifying characteristics of sound financial management for engineers and engineering companies: Preparing a budget  <b>ESSENTIAL QUESTIONS:</b> Where is all my money going?
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**STRATEGIES:**

PBL-Project Based Learning	Case Studies/Scenarios
Guided Practice	Lecture
Discuss the use of spreadsheets in the real world.	
Give examples of spreadsheets used at ACYT.	

**CTSO ACTIVITY:**

**NOTES:** Use notes from purchasing visit at ACYT and also from engineering visit at ACYT on the ways and types of EXCEL spreadsheets used.

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

**Provisions For Individual Differences**

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

**Integrated Academics**

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

