

Lesson Plan Template

Lesson Plan Ref:	1.2.2	Course Ref:	
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Subject / Course:	PLC - Analog		
Topic:			
Lesson Title			
Level:		Lesson Duration:	

Summary of Task / Actions:

- Read and understand operating parameters of PLC – Analog Input Module.
- Write summary for others to use.

Materials / Equipment:

Module manuals

References:

List of applicable information to pull from spec sheets:

- Input voltage/current
- Digital values
- Scan rate
- Wiring schematics
- Power from Backplane needs
- Location in Backplane

Take Home Task:

Lesson Plan Template

Lesson Plan Ref:	1.2.3	Course Ref:	
Subject / Course:	Automotive		
Topic:	Recognizing, Verifying, Analyzing and Solving Problems		
Lesson Title	Learning the 3 C's		
Level:	II	Lesson Duration:	45-60 Minutes

Summary of Task / Actions:

Completing the 3 C's in automotive repair approach for recognizing, analyzing and solving problems using critical thinking and verification.

C#1 Customer concern or complaint – Verify it's symptoms

C#2 Cause of customer vehicle complaint – What's needed for repair

C#3 Cure for repairing customer vehicle – What repairs were done and verify the fix

Materials / Equipment:

All described in classroom lesson for things required to complete task:

- Repair Order
- Customer Vehicle
- Tools & Test Equipment

References:

Instructor demonstration

Take Home Task:

Lesson Plan Template

Lesson Plan Ref:	1.2.3	Course Ref:	
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Subject / Course:	Precision Machining		
Topic:	Problem Solving – Analyze, Implement, Evaluate		
Lesson Title	Machining Procedure for Round Work		
Level:	10	Lesson Duration:	2 classes: 1 hr. Practice & 1 hr. presentation

Summary of Task / Actions: [In a small group]

Students will create a step by step process in writing to complete the part in the drawing. When completed each student will machine the part to the tolerances using Step 3 specified. Students will self-evaluate their solutions to the problem by identifying steps that may have been out of sequence. Each group will report to class to their level of success.

Materials / Equipment:

CAD drawing of a part that contains 2 diameters, taper, thread, lathe, cutting tools, measuring tools.

References:

Textbooks
Internet
Classmates

Take Home Task:

Lesson Plan Template

Lesson Plan Ref:	1.2.7	Course Ret:	
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Subject / Course:	Job Application Process		
Topic:			
Lesson Title	Job Application Process		
Level:		Lesson Duration:	

Summary of Task / Actions: Research Different Type of Jobs

Research jobs, salary, benefits and locations. Give students examples of resume, and applications, mock interview. Give them tips on answering the phone.

Materials / Equipment: Computer

Print off resume and applications. Students can fill the application out first day and then you can see what they know.

References: Online Application & Job Resume

References will be Advisory Committee. Try to get one of the business owners to help with mock interview and resume.

Take Home Task: Homework

Homework will consist of taking resume and applications home and reading them to parents and having them sign off on resume and application.

Lesson Plan Template

Lesson Plan Ref:	1.2.7	Course Ref:	
Subject / Course:	Job Search Skills and Promotion		
Topic:	Applying For a Job and Seeking Promotion		
Lesson Title	Aptitude Test		
Level:		Lesson Duration:	

Summary of Task / Actions:

- Have students take an aptitude test to narrow fields to their interest.
- Schedule computer lab.
- Determine what test or software will be used. (www.whatcareerisrightforme.com)
- Lesson of importance of honesty in answering questions; 5-10 minutes.
- Discuss results in next lesson (be realistic).

Materials / Equipment:

- Computer with internet access
- Printer

References:

www.whatcareerisrightforme.com

Take Home Task:

Student will discuss results with parents/guardians. Parental signature is required.

Lesson Plan Template

Lesson Plan Ref:	1.2.8	Course Ref:	
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Subject / Course:	Introduction to Electronics		
Topic:	Circuit Build Enc		
Lesson Title	OHM's Law Calculation & Measurement		
Level:	Intro	Lesson Duration:	30 Minutes

Summary of Task / Actions: SWBAT – Sink Resistors, Wires

- Calculations and multimeters
- Calculate and measure voltage drops across two resistors
- From a schematic draw a circuit.

Materials / Equipment:

- Multimeters
- 6 V Battery
- 470 OHM Resister
- 390 OHM Resister
- Clip Leads

References:

$E = R \times I$

$VD R1 + VD R2 = \text{Battery Voltage}$

Take Home Task:

Read about George OHM on Web = Write a short summary on OHMS Law

Lesson Plan Template

Lesson Plan Ref:	1.2.9	Course Ref:	
Subject / Course:	Cabinet Making & Millwork		
Topic:	Materials		
Lesson Title	Preparing an Order		
Level:	11-12	Lesson Duration:	55 Minutes

Summary of Task / Actions:

Student will be able to (SWBAT):

1. Develop/recognize a list of parts w/ dimensions
2. Categorize parts by size/material
3. Develop an order to a private company
4. Research suppliers/ determine decent deals
5. Work within a set budget

Materials / Equipment:

- Worksheet with instructions/requirements/limits
- Calculator
- Pencils & paper
- Materials/supplies list with costs

References:

- Previous experience with Bill of Materials
- Basic pre-algebra/algebra skills
- Any woodworkers book that covers material calculation

Take Home Task:

Give students a small cabinet plan, have them develop a cut list, Bill of Materials and a list of 2-3 possible suppliers within a price range.