GULF COAST Workforce Board

# A Career in Engineering: Lesson Plan

| SUBJECT | TEACHER | GRADE | DATE |
|---|---|---|---|
| **Engineering** | **Jane Doe** | **12** | **08/01/2024** |

## OVERVIEW

Students will learn the value of teamwork and efficiency of assembly lines.

| PHASES | TEACHER GUIDE | STUDENT GUIDE |
|---|---|---|
| OBJECTIVES | Introduce lesson by talking about being selected to participate in an externship. Tell about the process and what students can expect to learn from your experience. | Take notes on your worksheet. There will be an extra credit quiz for 5 points on your next test. |
| INFORMATION PART 1 | Orientation<br>Worksite First Day<br>Worksite Highlights | Why do you think I was required to participate in an orientation before my first day on the job? |
| INFORMATION PART 2 | Hands-on Observations<br>Takeaways<br>Something unexpected | Why do some people hate their work? Why do some people end up loving their work? How do people wind up sometimes doing work they are not happy with? |
| ACTIVITY | Assembly Line: set quality control expectations:<br>Timed, no spill--if spill, must immediately clean up<br>Add 1.5 level cups + 3 Tbsp sand/beans/rice to 10 paper lunch sacks | Assemble a project by hand that meets the quality control criteria.<br>First – by yourself with your partner timing you<br>Next – 2 groups join together for 4 roles: bag opener, 1 cup, ½ cup, Tbsp |
| SUMMARY | Assign homework to interview a person in the workforce—one who loves their work and one who does not. This can be a parent, sibling, friend, grandparent, neighbor…as long as they work. | Use the interview worksheet to learn more about someone you know who is in the workforce—one who loves their job and one who does not. |



Workforce Solutions is an equal opportunity employer/program. Auxiliary aids and services are available upon request to individuals with disabilities. (Please request reasonable accommodations a minimum of two business days in advance.) Relay Texas: 1.800.735.2989 (TDD) 1.800.735.2988 (voice) or 711

A proud partner of the americanjobcenter network

## MATERIALS & SUPPLIES

- Notes worksheet
- Interview worksheet
- 
- Timer
- Paper Lunch Sacks
- Measuring Cups
- Tongue depressor
- Sand/Beans/Rice

## NOTES

Don’t forget to remind students of the classroom visit scheduled for Monday, September 16.



Workforce Solutions is an equal opportunity employer/program. Auxiliary aids and services are available upon request to individuals with disabilities. (Please request reasonable accommodations a minimum of two business days in advance.) Relay Texas: 1.800.735.2989 (TDD) 1.800.735.2988 (voice) or 711

A proud partner of the americanjobcenter network

GULF COAST Workforce Board

# A Career in Engineering

## OVERVIEW

## OBJECTIVES

## KEY HIGHLIGHTS OF MRS. DOE's EXPERIENCE

## ACTIVITY HYPOTHESIS

## ACTIVITY OBSERVATIONS



Workforce Solutions is an equal opportunity employer/program. Auxiliary aids and services are available upon request to individuals with disabilities. (Please request reasonable accommodations a minimum of two business days in advance.) Relay Texas: 1.800.735.2989 (TDD) 1.800.735.2988 (voice) or 711

A proud partner of the americanjobcenter network

GULF COAST Workforce Board

## SUMMARY/CONCLUSION



Workforce Solutions is an equal opportunity employer/program. Auxiliary aids and services are available upon request to individuals with disabilities. (Please request reasonable accommodations a minimum of two business days in advance.) Relay Texas: 1.800.735.2989 (TDD) 1.800.735.2988 (voice) or 711

A proud partner of the americanjobcenter network

GULF COAST Workforce Board

# Work Life Interviews

| ☺ I love my job | ☹ I don't like my job |
|---|---|
| **What do you do for a living?** | **What do you do for a living?** |
| **Tell me about how you got into your line of work.** | **Tell me about how you got into your line of work.** |
| **Do you like your job?** | **Do you like your job?** |
| **What were your plans for work when you were my age?** | **What were your plans for work when you were my age?** |
| **What things make your work satisfying for you?** | **What things make your work satisfying for you?** |
| **Was there a time when you weren't happy with your work? What changed?** | **Was there a time when you weren't happy with your work? What changed?** |
| **What lessons has your work life taught you?** | **What lessons has your work life taught you?** |



Workforce Solutions is an equal opportunity employer/program. Auxiliary aids and services are available upon request to individuals with disabilities. (Please request reasonable accommodations a minimum of two business days in advance.) Relay Texas: 1.800.735.2989 (TDD) 1.800.735.2988 (voice) or 711

A proud partner of the americanjobcenter network

| | |
|---|---|
| **Are there any words of wisdom you'd like to pass along to me?** | **Are there any words of wisdom you'd like to pass along to me?** |

# Work Life Interview Observations

**Take a moment to reflect on the responses you received from the people in the workforce and answer the following questions.**

- What do you think would lead you to LOVE your work?

- What do you think would lead you to HATE your work?

- What can you do while you are in high school to find out what work you will love?



Workforce Solutions is an equal opportunity employer/program. Auxiliary aids and services are available upon request to individuals with disabilities. (Please request reasonable accommodations a minimum of two business days in advance.) Relay Texas: 1.800.735.2989 (TDD) 1.800.735.2988 (voice) or 711

A proud partner of the americanjobcenter network

- What is one of the most valuable pieces of learning from this assignment that you will take with you into your own future career planning?



Workforce Solutions is an equal opportunity employer/program. Auxiliary aids and services are available upon request to individuals with disabilities. (Please request reasonable accommodations a minimum of two business days in advance.) Relay Texas: 1.800.735.2989 (TDD) 1.800.735.2988 (voice) or 711

A proud partner of the americanjobcenter network