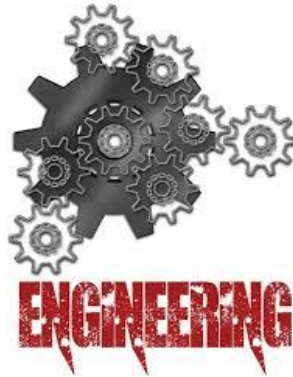


Name:  
Due Friday Sept 30<sup>th</sup>

Period

College & Career Awareness  
Engineering, Skilled & Technical Trade Pathway



Overview: Engineers use the design process to save time, money, and keep all safe. Using this process of **asking, imagining, planning, creating, & improving** we are going to build a car that runs on solar energy.

Essential question: How do troubleshooting, invention, innovation, and experimentation play a role in solving problems?

Terms to use: axle bushings, chassis, parallel, gear, flashing, burrs, pinion gear, motor shaft, motor mount, motor connection terminal, adhesive tab

## Checklist

\_\_\_\_\_ *Record* input

\_\_\_\_\_ *Build* a solar car in teams of 4

\_\_\_\_\_ In your output record a report that summarizes the design and testing process you went through. Give reasons why you think that design was successful, including any factors that you feel may have contributed to the success or failure of the designs.

\_\_\_\_\_ Finish activities for power sources & construction types

\_\_\_\_\_ Prepare for job shadow experience

- How to secure a situation
- Packet

\_\_\_\_\_ Here are my ideas for a job shadow arrangement (list below)

\_\_\_\_\_ Hand in study guide Sept 30<sup>th</sup>