



The Roles of Engineers, Technologists, and Technicians in Prototyping a Product— Blackline Masters

Career in Technology

Name _____

| | |
|--|--|
| Name of Career: | |
| Job description | |
| Training | |
| Salary | |
| From what I have learned about this career, does it match my skills, interests, and abilities? Why or why not? | |
| Do any of the careers presented by other students match my skills, interests, and abilities? Why or why not? | |

Prototype Recording Sheet (continued)

Testing: Prototype Name _____

Did the prototype solve the problem within the constraints?

- NO → To qualify for manufacture I / we will:
 - A) modify the design. Sketch/Explain in the box below.
 - B) select a new concept to develop and prototype.
- YES → Sketch or explain how the design could be refined to increase efficiency, reduce cost, or make manufacture easier, then go on to Manufacturing on the next page.

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Prototype Recording Sheet (continued)

Manufacturing: Include any special manufacturing instructions below.

The best technology to solve the problem/challenge is _____.

Explain your choice in the box below. Think about cost, ease of use, and recycling, if applicable.

What I know and learned about designing

Name _____

| | |
|--------------------------------------|--|
| Before you begin designing | What I know about being a designer: |
| | What I know about the steps needed to design and create something new: |
| After you test your prototype | What I learned about being a designer: |
| | What I learned about the design process: |
| | What technologists / trades would be needed to mass produce my design? |