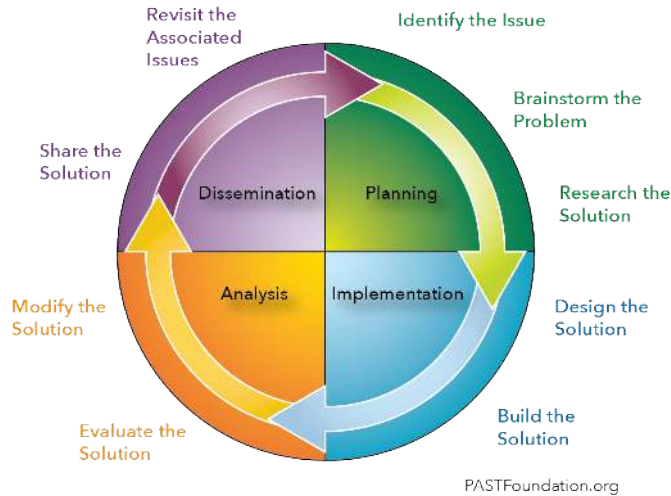


# Evolution of Tech Design Mini Challenge

Name: \_\_\_\_\_

Date: \_\_\_\_\_



### Problem Scenario:

You are a researcher on a quest to find the most impactful invention from the Industrial Revolution Era and then to transform it into a futuristic “wonder”. Choose one invention of technology you could not do without from the era. Identify problems that it solved then and what it could solve 100 years from now.

### Challenge:

What invention will you leave behind that will have broader appeal? What invention could society not do without?

### Criteria:

- pencil/drawing supplies
- Be able to identify the innovation of the current invention.
- Identify who would most benefit from this innovation.

**1. Brainstorm:** Use the space below to brainstorm the design and approach to identifying which invention is the most transformative. Use these questions to think about the impact your invention has had.

- Who has it impacted?
- Where did it have the greatest impact?
- What was affected the most and why? What did this item look like 100 years later? What did it evolve into?

## 2. Design:

Think about how this item has already evolved and what it can be 100 years from now. Design a change that could be made to the invention to improve it for the future.

Sketch out a futurist model of this item or what you imagine it could become.

## 3. Build:

Use the sketch created to start transferring the information into a creative product. Use building materials to build a model to represent your invention and the innovation of which you've thought.

## 4. Evaluate:

- Answer the following questions to evaluate the functionality of your invention.
- Does it appeal to the masses?
- Is it engaging and relevant?---Does it influence people?
- Does it fill a niche not previously filled by another product?
- How is it an improvement from previous inventions?

## 5. Modify:

- Pick at least one way to improve the invention. Use the questions you answered in the evaluate step to come up with ideas for improving your design. Write down at least one ideas in this box an change your model to reflect it:
- Describe how the adjustment addresses one of the questions asked during the evaluation.

## 6. Share:

Share your creation on Social Media!

Tag us on Facebook, Twitter or Instagram @pastfoundation Use the hashtag #ThisIsPAST or #DesignThinking