

Reverse Engineering Exercise

Student Name: _____

Date: _____

Part 1: Analysing the Product

Chosen Product: _____

Purpose

- What problem does this product solve?

Key Features

- List the main features or functions of the product:

Target Audience

- Who is the product designed for? (Consider age, lifestyle, needs, etc.)

Part 2: Design Evaluation

Aesthetics

- How does the product look? Is it visually appealing?

Functionality

- How well does the product work? Are there any limitations?

Materials

- What materials are used? Are they sustainable, durable, or innovative?

User Experience

- Is the product easy to use? Why or why not?

Part 3: Redesign Challenge

Areas for Improvement

- Identify at least two aspects of the product that could be improved:

Redesign Proposal

- How would you improve the product?
- Sketch your redesigned product (use the back of this sheet or your notebook).

Part 4: Reflection

What did you learn about design from analysing this product?

How can you apply these lessons to your own major project?

