Student Name: _____

Unit 1: Technological Inventions and Innovations

Lesson 2: Technological Effects on New Processes

File 1.2.2: Technology Transfer

Background
Often new technologies lead to a new process or a change in how products are invented. You just learned how the soccer ball was a spinoff of the geodesic dome. Technology transfer occurs when a new user applies an existing innovation developed for one purpose in a different function.

Design Problem
You have been assigned by Inventions and Innovations, Inc. to create a new product based on the geodesic dome. Its manufacturing plant is already outfitted to construct domes, but it is looking to expand to a new market. Your team must propose a new use for the geodesic dome.

Specifications
1. Your new product must maintain the sphere shape of the geodesic dome.
2. Your new product must be innovative, meaning it cannot already exist.
3. Your new product cannot be a shelter or type of housing.

Deliverables
Each student must submit a description of the new product including:
1. A sketch of the new product. – 25 pts.
2. A written description of the new product including: - 50 pts.
    a. The target consumer of the new product.
    b. Materials that would be needed to build the product.
    c. The purpose of the product.
    d. One idea for marketing the product.
3. The positive and negative effects the product would produce on society. Make sure you show how the positives outweigh the negatives and what trade-offs were made in the design. – 25 pts.

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