



WAYNE STATE UNIVERSITY

STEM Day Lesson Plan

Title: Innovation Everyday

Subject Area: Entrepreneurship and Innovation

Learning Activity Description: Students will learn that innovation occurs not only in the classroom and in business but every day in the world around them. In this lesson students will be walked through 2 activities and a lesson on innovation to teach them how to brainstorm and see opportunities for change in the world around them.

Lesson Activity Objective: See how innovation works and develops in the world around them.

Lesson Activity Outcomes: Spotting opportunities for unique thinking and innovation

Materials/Supplies Listed: a pack of paper, 10 incandescent light bulbs, 10 empty clean soda bottles, 10 books (any), a couple packs of pipe cleaners, a pack or 2 of craft sticks, a pack of pens/pencils, and a computer with screen, and if possible play foam (enough for some small groups).

Teacher Procedures: prepare the room for the activity. Direct students to form 10 groups of 3 and give them paper to fill out questions. Allow them time to make a list of 10 unique uses for everyday objects in their lives. Discussion after 10 minutes. Keep groups, distribute additional materials and allow students to build different things. Discussion about solutions, problems, and reasoning for building. Discussion on teamwork.

Preparation Time for Learning Activity: divide up 3 everyday items for 10 groups. Prepare construction materials for 10 groups. Prepare sheets for 10 groups

Room set-up: 10 groups of 3.

Student Products/Artifacts/work pages: n/a

Assessment Criteria/Rubric: n/a

Closing/Transition to next activity: discussion