Research Project Overview

BY NOT THE DROIDS YOU ARE LOOKING FOR

RESEARCH PROJECT LESSONS

About Us

◦ Not the Droids You Are Looking For is a 7th year team from Pittsburgh, PA

◦ Our research project for Trash Trek was a Global Innovation Award semi-finalist project (Top 20 out of 29,0000 teams).

◦ Our research project in Nature's Fury won Innovative Solution at the FIRST LEGO League International Open in Toronto.

◦ Our research project for World Class was EV3Lessons.com! ;-)

What is the Research Project?

A group research project related to the year's theme

Come up with an innovative solution to a real-world problem

Themes:
◦ 2011: Food Factor (food safety)
◦ 2012: Senior Solutions (senior citizens)
◦ 2013: Nature's Fury (natural disasters)
◦ 2014: World Class (education)
◦ 2015: Trash Trek (garbage)
◦ 2016: Animal Allies (animals)
◦ 2017: Hydro Dynamics (water)

New Rubrics for 2017

- **Research**
  - Identify a problem and analyze existing solutions

- **Innovative Solution**
  - Develop a solution to your problem and understand what it would take to implement this idea.

- **Presentation**
  - Share your project with people/organizations
  - Create an effective presentation for judges

Project Process

Research   Innovative Solution   Sharing

| Identify a Problem | → | Background Research | → | Innovative Solution | → | Test Idea | → | Sharing/ Presentation |

Look for lessons on each of these topics on EV3Lessons.com

SAMPLE PROJECTS

2011: Food Factor (food safety)
◦ Detecting spoilt milk

2012: Senior Solutions (senior citizens)
◦ Helping seniors remember where they left their pocessions

2013: Nature's Fury (natural disasters)
◦ An early-warning ash detection system for airplanes

2014: World Class (education)
◦ A better way to learn to program the EV3 (EV3Lessons.com)

2015: Trash Trek (garbage)
◦ A more efficient way to recycle batteries (InvisiSort)

2016: Animal Allies (animals)
◦ Bats getting killed by wind turbines

Credits

This lesson was written by Sanjay and Arvind Seshan

More lessons available at www.ev3lessons.com

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