FIRST® LEGO® League TUT\$RIALS

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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:

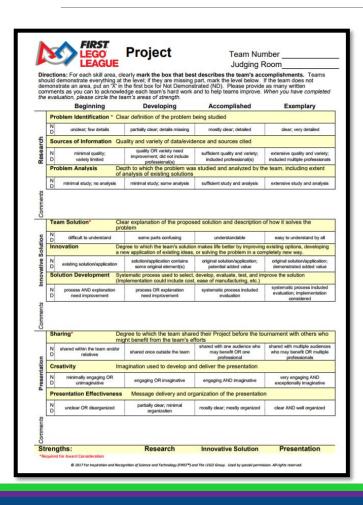
- 2011: Food Factor (food safety)
- 2012: Senior Solutions (senior citizens)
- 2013: Nature's Fury (natural disasters)
- 2014: World Class (education)
- 2015: Trash Trek (garbage)
- 2016: Animal Allies (animals)
- 2017: Hydro Dynamics (water)







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



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 and www.flltutorials.com



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