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RESEARCH PROJECT OVERVIEW

SESHAN BROTHERS

ABOUT THE AUTHOR

- Seshan Brothers were on team Not the Droids You Are Looking For
- Our research project for Trash Trek was a Global Innovation Award semifinalist project (Top 20 out of 30,0000 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! ;-)
- We are the Champion's award winners from World Festival 2018



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)
- 2018: INTO ORBIT (space)

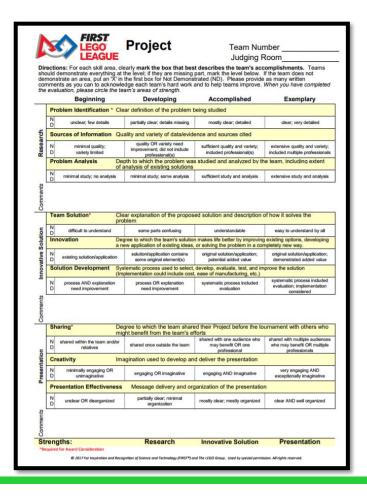








NEW RUBRICS FOR 2017



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 FLLtutorials.com

SAMPLE PROJECTS

- 2011: Food Factor (food safety)
 - Detecting spoilt milk
- 2012: Senior Solutions (senior citizens)
 - Helping seniors remember where they left their possessions
- 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
- 2016:Animal Allies (animals)
 - Bats getting killed by wind turbines
- 2017:Hydro Dynamics (water)
 - Detecting leaking pipes







CREDITS

- This lesson was written by Sanjay and Arvind Seshan
- More lessons available at <u>www.ev3lessons.com</u> and <u>www.flltutorials.com</u>



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