VEX Challenge Technical Report

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# Title Page

* Title
* Date
* Class Code
* Teacher Name
* Student Name and Number

# Table of Contents

Create a properly formatted Table of Contents with all page numbers and sections.

# Problem Description (SPICE)

Fully describe the problem/situation that is being addressed by this project. What is the purpose? What is being done? What are the issues and challenges? What are the restrictions? What must be completed and how? What materials are required, supplied, provided? Include all brainstorming notes, sketches and other documentation. Use the SPICE model to organize and present your ideas.

# Overview of Solution

Complete overview, with all reasons for why the solution and design were selected. Relate the reasons to the original problem and clearly explain your solution. Include your materials list.

# CAD Drawings and all Rough Diagrams

All rough and final drawings. All rough and final schematic drawings. A detailed final wiring diagram of your circuit with all wire colours identified and all LED light colours and positions properly labelled and identified.

# Daily Journal

Detailed daily journal of activities, challenges, tasks completed with references to external sources where applicable. Be specific about your individual contributions to the project in your daily journal.

# Self-Evaluation

Complete a thorough self-evaluation of the summative project. What went right? What went wrong? What could you have done better? What did you do well? Where were your biggest challenges? What “Ah Ha” moments did you have? Did you discover or research beyond the scope of the initial requirements? If you had more time what would you have done differently?

# References

Your choice of format. All external references and documents used in this project. Links, videos, teacher provided documents, other reference materials.