

Section  
**1**



# Magbot Mayhem Introduction

## Table of Contents

Section 1 – Introduction.....2

# Section 1 – Introduction

## 1.1 – Overview

This section provides background for the CREATE Open game called *Magbot Mayhem - Avalanche*.

## 1.2 – Introduction

Competitive robotics have been around for over two decades at the collegiate and high school level with middle school teams joining in greater numbers over the last few years. The purpose, to engage students in a technology based activity that is compelling and fun, to prepare them for careers in engineering, technology and science, has never been needed more than today.

With the advent of high quality, integrated and affordable robotics kits, participation has exploded. Each year more and more students form teams to compete in the annual challenge. Students are starting younger and building more robust and creative robots every year. Many of those that have participated in these competitions for a few years are hungry for an even more difficult and exciting challenge. This is the motivation for a new class of competitions the CREATE Open. The games will be more challenging and the competition is open to middle school, high school, college students and professional engineers as well.

This year the CREATE Open has again taken competitive robotics to new heights with it's game *Magbot Mayhem - Avalanche*. Breaking free of two dimensional play *Magbot Mayhem – Avalanche* challenges teams to build robots that can go vertical!

The following sections of the *Magbot Mayhem – Avalanche* manual will open up new challenges, new opportunities for creativity and design. There are no easy way to navigate the course and the risks are high. If this the type of challenge you are looking for then we welcome ANY team with the ability to build a robot to join the exhilarating fun of *Magbot Mayhem - Avalanche*..