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# AIM High Introduction

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# Section 1 – Introduction

## 1.1 – Overview

This section provides background for the CREATE / AIM Institute Challenge called *Aim High*.

## 1.2 – Introduction

Competitive robotics have been around for over two decades at the high school level with middle school teams joining in greater numbers over the last few years. The purpose is to engage students in a technology based activity which is compelling and fun, and to prepare them for careers in engineering, technology and science.

With the advent of high quality, integrated and affordable robotics kits, students now have the opportunity to create embedded systems to control mechanical systems of all types, including robots. These skills are vital to our ever advancing technology based economy. With the goal of introducing as many students as possible to technology based careers The AIM Institute, in partnership with CREATE has developed this educationally rich and socially engaging challenge called AIM High. This new level of competition is open to multiple robotics platforms.

On the following pages are all the rules of the this fast paced challenge. Your team will have the challenge of designing, building and testing your own solutions to compete in both Freeze-Pool and the programming challenge.