

**Youth University Day Programs  
Relevance to Ontario Curriculum  
Team Robotics Program**



Brock University

Activities: Team Building Initiatives, Robotics Building and Programming

**Health and Physical Education (2010 Revised Edition Ontario Curriculum)**

**Interpersonal Skills**

- 1.4 Apply relationship and social skills as they participate in physical activities, develop movement competence, and acquire knowledge and skills related to healthy living to help them interact positively with others, build healthy relationships, and become effective team members
- 1.5 Use a range of critical and creative thinking skills and processes to assist them in making connections, planning and setting goals, analyzing and solving problems, making decisions, and evaluating their choices in connection with learning in health and physical education

**Active Participation**

A1.1 Actively participate in a wide variety of program activities according to their capabilities, while applying behaviours that enhance their readiness and ability to take part

**Movement competence: skills, concepts and strategies**

B2.3 Apply a variety of tactical solutions to increase their chances of success as they participate in physical activities

**Science and Technology (2007)**

**Goals of Science and Technology Curriculum**

1. To relate science and technology to society and the environment
2. To develop the skills, strategies, and habits of mind required for scientific inquiry and technological problem solving
3. To understand the basic concepts of science and technology

**Developing Investigation and Communication Skills**

2.1 Follow established safety procedures for working with tools and materials

2.2 Measure and compare, quantitatively and/or qualitatively, the force required to move a load using different mechanical systems and describe the relationship between the force required and the distance over which the force moves

2.4 Use technological problem-solving skills to design, build, and test a frame structure that will withstand the application of an external force or a mechanical system that performs a specific function

**Understanding Basic Concepts**

3.3 Explain the advantages and disadvantages of different types of mechanical systems