

“ A Special Thank-you ”

The organizers of the *FIRST* Lego League Halton Qualifying Tournament thank all our volunteers, judges, and referees for their time and energy to make this event a huge success.

Their knowledge and feedback are invaluable to each team's experience

As well, we would like to recognize and thank the masters of ceremonies:

Nolan Wynter & Alex Venerus

Finally, we could not have hosted such a successful tournament without the generous leadership of our planning committee:

**Roger Balech, Lynn Rampertab,
Linda Wainwright, and Angela Stoll**

FLL Halton Qualifying Tournament 2014



**Holy Trinity Catholic
Secondary School**

Saturday December 6th, 2014

Welcome to Holy Trinity Catholic Secondary School, home of *FIRST Robotics Competition* Team 3161, Tronic Titans.

We are proud to host this year's fifth *FLL* Halton Qualifying Tournament.

Congratulations to all of the participants in today's tournament. We hope you enjoy the day's events and wish you continued success!

HAVE FUN!!

Our Sponsors



Holy Trinity C.S.S.



What is FIRST Lego League (FLL)?

FLL is an international program created through a partnership between *FIRST* and the Lego Group which:

INSPIRES children ages 9-14, to participate in science and technology

ENGAGES kids in playful and meaningful learning

PROVIDES fun, creative, hands-on learning experience

CHALLENGES kids to solve real-world problems using robotics

TEACHES children to experiment and overcome obstacles

BUILDS self-esteem and confidence

FLL Core Values

- We are a team.
- We do the work to find the solutions with guidance from our coaches and mentors.
- We honor the spirit of friendly competition.
- What we discover is more important than what we win.
- We share our experiences with others.
- We display gracious professionalism in everything we do.
- **We have fun!**

Awards

Project Awards

Research Award
Innovative Solution Award
Presentation Award

Robot Award

Mechanical Design Award
Programming Award
Strategy & Innovation Award

Core Value Award

Inspiration Award
Teamwork Award
Gracious Professionalism Award

Robot Performance Award

Judges Award

Special Recognition Awards

Young Mentor Award
Coach/Mentor Award
Volunteer Award
Spirit Showcase Award

Tournament Schedule for the Day

Team/Judges/Referee Check In

Team Set-up

7:30am- 8:00am

Coaches Meeting

8:00am

Opening Ceremonies

10:30-11:00

National Anthem

Cailin Brushett

Speakers

Marjorie McArthur – V.P. Christ the King C.S.S.
Justine O’Grady – Principal Holy Trinity C.S.S.
Tom Adams – Oakville Town & Regional Councillor

Practice Matches and Judging

8:30am-12:00pm

LUNCH

12:00pm

Callbacks

1:00pm-2:00pm

Competition Matches

2:00pm-4:30pm

Awards and Closing Ceremonies

4:30pm

Roger Balech – Tournament Director
Susan Reimer – PEO Oakville Chapter

Team Listing

Team #	Team Name	Organization
1235	EJ James Robotic Narwhals	EJ James PS
1508	New Central Cardinals	New Central Public School
1714	MVPinkies	Mountain View School
1845	Gators	Sam Sherratt
2439	Mentor Robo Techs	Mentor College
2461	Millie Icons	St. Mildred's Lightbourn School
2462	Millie Primes	St. Mildred's Lightbourn School
3241	S.M.A.R.T.	Team School
3434	The 8/ate's	Independent
3765	The Mnemonics	Independent
7452	Stem Sisters	Mentor College
7565	Salty Dogs	MacLachlan College
7583	Hadfield Magic	Chris Hadfield Public School
8068	Senior Connect	Fern Hill School
8069	Fern Hill Falcons	Fern Hill School
8727	Morden FLL1	W. H. Morden Public School
8730	Morden FLL2	W. H. Morden Public School
14671	Leggo My Eggo	David Leeder Middle School

Award Description and Criteria

Champions Award

This award recognizes a team that embodies the FLL experience, by fully embracing our Core Values while achieving excellence and innovation in both the Robot Game and Project.

The Champion's Award is the most prestigious award that a team can win. It celebrates the ultimate success of the *FIRST* mission and FLL Core Values. A champion is someone who passionately supports a cause. For FLL, our champions passionately inspire and motivate others about the excitement of science and technology, while solving problems, working as a team, and demonstrating respect and Gracious Professionalism. To be considered for the Champion's Award, teams must perform well in the Project, Core Values, and Robot categories, which are equally weighted. Once teams are selected for consideration, judges convene and review the results of the teams' performance and participation at the tournament, including their understanding and any demonstration of FLL Core Values. Using these additional parameters for determination, judges decide which team receives this highest honor. The winning team is given the honor of serving as a valued role model for *FIRST* and the *FIRST* LEGO League Program.

Thank You to our Judges and Referees

Judge Advisor: Linda Wainwright
Head Referee: Jacob Rampertab

George How Pak Hing	Erik Sandqvist	Nicholas Bandiera
Oya Kac	Susan Reimer	Jim Kozlowski
Simon Bubnic	Liliana Mihi	Dez Nacario
Natalie Wainwright	Annette Raper	Elliott Coleshill
Shameze Rampertab	Ken Ryder	Tom Bertin
Stephanie Sandqvist	Tom King	Chris Reinfelds
Steven Lao	Dave Ellis	Craig Hoo
Graham Flint	Nick Whittaker	Krysta Peralto
Kasia Piskorz	Matthew Sadecki	Elaine Bonin
Luminita Silvestru	Nathan Zalfaquaruddin	Layla Teixeira
Emma Oliveira	Karen Kozma	Nicole Lemieux
Alicia Somers	Rachel Lyons	Brandon Higgins
Daniel Sunga	Minwoo Baek	Joshua Barlaan
Michael Condo	Zahra Winchester	Sam McGowan

Team Listing

Team #	Team Name	Organization
10269	Mentor 3	Mentor College
11053	White Heron Robo Club	White Heron Martial Arts
12481	EJ James Bionic Bunnies	EJ James Public School
13319	ViperBots	The Valleys Senior Public School
13321	UnderBots	The Valleys Senior Public School
13685	Wildcats	St. Thomas Catholic Elementary School
13974	i 8 sum pi	St. Andrew
13976	Thinking Outside the Box	St. Andrew
13978	Fallingbrook Falcons B	Fallingbrook Middle School
13979	Fallingbrook Falcons A	Fallingbrook Middle School
13981	Fallingbrook Falcons C	Fallingbrook Middle School
14088	Fairview Flyers	Fairview Public School
14438	Techno Trio	Captain R Wilson Public School
14548	Lego Legends	Madoc Drive Public School
14549	Awesome Monarchs	Madoc Drive Public School
14672	Brick Masters	David Leeder Middle School
14674	Dragon Droids	David Leeder Middle School

2014 World Class Robot Missions

Mission	Description	Score Value
Opening Doors	The door must be and the handle pushed down after match.	15
Cloud Access	The SD card is up caused by inserting the correct key.	30
Community Learning	The loop is no longer touching the model after match.	25
Robotics Competition	Robotics insert is installed, loop released by movement of the slider and is no longer touching robotic arm model after match. No team supplied object can be touching the insert after match.	25 (insert) 55 (insert + loop)
Using the Right Senses	The loop was released due to movement of the slider and is not touching the model after match.	40
Thinking Outside the Box	The idea model is no longer touching the box model and the box model never entered base.	25 (bulb down) 40 (bulb up)
Remote Com./ Learning	The referee has seen the robot pull the slider west.	40
Search Engine	Color Wheel has spun at least once due to movement of the slider and appropriate loop has been removed. Both undesired loops must be in their respective slots after match.	15 (slider) 60 (slider and loop)

2014 World Class Robot Missions

Mission	Description	Score Value
Sports	The ball is touching mat in net after match. All equipment involved with shot must have been completely E/ N of the shot line.	30 (Took shot) 60 (Goal)
Reverse Engineering	Basket is in Base at the end of the match where you have rebuilt the model that was in the basket.	30 (Basket) 45 (Basket and Model)
Adapting to Changing Conditions	The model is rotated ~90° counter-clockwise at end of the match	15
Apprenticeship	A model representing something meaningful your team is brought to the match and is touching the white circle around the scale with the people attached to it.	20 (Model) 35 (Model Touching Circle)
Engagement	Yellow lever is moved south, and dial is clockwise of its setup position after match. The dial may only move due to the robot turning the pinwheel. Between any two starts/restarts the pinwheel may only be turned 180°.	20 (Engage) 90° Pinwheel Turns: See Chart in rules for multiplier
Project-Based Learning	After match the scale holds loops representing knowledge and skill.	20 (1 st loop) +10 (2 nd -8 th loop)

Disclaimer: Teams are responsible for knowing the rules from the Official Rule Documents. The above is a summarized version and will not be used by referees.