

What do our students think?

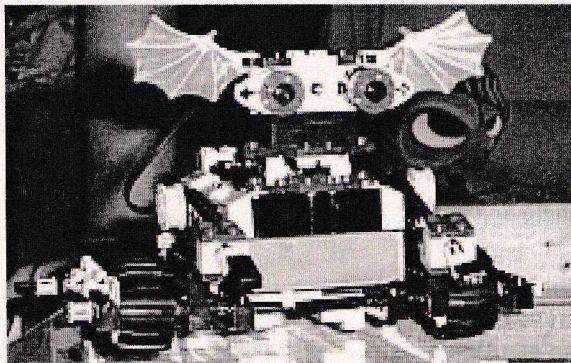
“What we liked best about the program”

programming the vehicle to do neat stuff...building the robot...something fun that kids can do...it helps them learn teamwork, but it's fun to do...I got better friends with someone...I got to learn about computers and Legos and we got out of science...I liked how my team worked together...I liked designing the best...it was fun and challenging...when we got to work together a team and see the car go successfully around the track



“What was the hardest part?”

keeping the car together...programming and getting things to be just right...trying to program the car because people are arguing about what to do...putting on the tractor wheels...two a week!...trying to get a model that works...trying to find the right blocks to put here or there to make the car strong and sturdy...getting the group to help and to be a good sport



“Words of Wisdom”

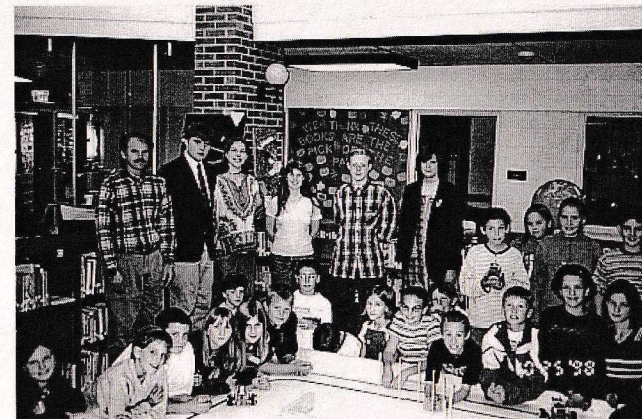
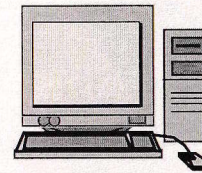
have teamwork!...don't use tractor wheels...think before you do anything because if you don't think it won't get you anywhere...build a model and stick with that one...work together as a team because you will get nowhere split up in three or four parts...keep on trying...have lots of confidence in yourself..put your mind to it and go for it



LEGO MINDSTORMS



Our first Lego Mindstorm Team



Our team...getting ready for action!

GM Proving Grounds
Huron Valley Schools
Highland Elementary

Working together to make it happen...

- Kindergarten students created garages to transport our vehicles
- Students in grades 1-3 helped make our team banners
- Fourth grade students decorated our playing field for the competition

Community Support...

H.E.P.T.O.
Krogers
Stubs Auto Parts
Beach & Ager

Parent Support...

Angela Bannasch
Denise Hendricks
Bonnie Jones
Kathy Mienkwic



HIGH TECH Learning

Students ...

- work collaboratively with others
- actively problem solve
- calculate and measure
- utilize principles of physics and math
- work toward a common goal
- employ computer programming techniques



HVR (Huron Valley Racers)

Ashley Moore
Adam Jones
Matt Hendricks
Danielle Powell

Robotech

Alex Calley
Aaron Bannasch
Ashley Falkner
Rachel Ciotti
Sean Mienkwic

AS2AW2HN

Steve Wilkins
Steven Hernandez
Amber Novak
Ashley Wesenberg

Robotic Wizards

Tom Haller
Amelia Grate
Danielle Bostwick
James Veen
Frank Coakley

Roadbotics

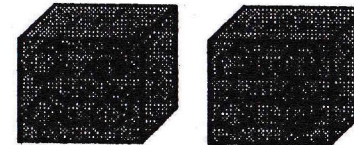
Amber Conahan
Jessica Riley
Kris Beck
Stephen Cahoon



Roadrunners Connor Cox Anna-Marie Klxx Mike McCallister Courtney Suidan Kelly Vereecke Rose Schimmel Jared Rogers Tommy Bell	Hyper Viper 2000 James Kessler Matt Pietlla Roy Stevens Jessica Vereecke Matt Kidd Marlel Vanderworp Sean Hill Sarah Farino	Mad Bomber Ronnie Schan Billy Slesinski Kristin Kohs Michael Baron Megan Donahue Katie Arrowsmith Lindsey Gillam Trevor Petrill Nathan Dickey
Kurtz Elementary -- Ms. McFarland The Sprites Erin Coulter Joe Oliveto Sheena Luther Ashley Williams Ashley Saunders Zack Williams Justine Cigna Ron Bajorek Sean Tedder Andrew Goike	The Mindstormers Brandon Jaboro Tony Nelson Amber Pearsall Joseph Fleck Nicole Purtilar Stephen Fox Melony Morin Samantha Thorpe Jessica Andrews Nathan Anderson Mitch Knudson	The Beepers Bailey Traynor Zack Boonenberg Caitlin Zachow Ben Carnes Clare Carr Robert Warren John Sfreddo Kacey Keel Joanna Cibrario Gavin Wing Rachele Pasquall
Kurtz Elementary -- Ms. Vezina Dynamite Courtney Onan Tyler Long Josh Gunn Ryan Brandenburg Gina Maulino Jason Zimanski Merrick Lincoln Kristen Pennington Zachary Vogelsberg Robyn Beale	Robotrons Chuck Lieblich James Peter Mike Krivsky Alex Brown Chris Ameleagoa Samantha Cardella Zachary Zasuwa Amanda Peterson Kelgh Abed Stephen Hoepf	Firestorm Jacqueline Antonishek Danielle Garshott Zachary Bojanowski Ryan Reece Brett Giles Tyler Richardson Matt Lasich Ben Richaman Sam Kokenos Audrey Griener
Lakewood Elementary -- Mr. Schwanning/Mr. Fugate Robo Maniacs Sean O'Sullivan Ryan Donovan Alex Gruchala Chad Patton James Fehlner	Scorpions Justin Galuszka Steve Brines Teddy Hirsch Nick Redner	Bumble Bots Katie Ralko Kayla Reid Caroline Borkowski Nichole Lehr
Oxbow Elementary -- Ms. Grant Techno Tanks Keegan Fair Drew Mulonix Ryan Schultz Sarah Warner Andrew Paulson Sarah Walters	The Spirals Bill Hamby Rachael Goulais Emily Duclio Jerry Henson Brent Maynard Andy Thompson	The Great Gecco Force Leigh Fanzini Kristina Drause Chelsea Zinnerman Greg Dotson Justin Conay Jeremy Robinette
Spring Mills Elementary -- Mr. Schmidlin Brainstormers Jeremy Martin Allison Hoensheid Ryan Wast Ryan Strobe Cassie Moore Robbie Zukowski Ashley Allport Duey Schultz Samantha Brady	Thunder Bolts Gary Annis Amanda Mooney Jon McCarthy Alex Phillips Stephen Colwell Jake Rothley Jill Waston Robert Paulson Eve Beatty	The Bombs Tim Jones Kelly Brahm Kendall Phillip Steve Camilleri Jennifer Larsen Bradley Hurst Travis Gardner Brian Jacob Eddie DeVoil Casey Pohl
Huir Middle -- Mr. Bradsher Lego Maniacs Mike Delariva Shella Maxwell Jennifer Gray Katie Biddison Stephanie Parks Andrew Bradford Dan Turner Frank Robertson	Speed Deamons Kyle Alewis Jed Vander Klok Steve Yash Steve Yager Jacqui Park Gina Sweet Melissa Ganger Eric Vasquez	Technique Jake Moore Tom Lowman Jesse Yuchasz Jeremy Miller John Rossi Kevin Bentivollio Justin Senla Justin Flees Scott Guy Brian Krupinski
Oak Valley Middle -- Ms. Rowley Lego Masters Josh Dinverno Anthony Watterson Joe Sharp Kyle Plummer Brian Keller Jason Kinney	Chaos Brian Barker Dean Caldwell Peter Sturgeon David Frantsen	Deamons Anthony Pisco Hans Kokx Josh Burkart Jason Tucker

FIRST/LEGO League

HOT SHOT HAVOC



**Sponsored by
Huron Valley Schools/
GM Proving Ground
HOT Robotics Team**

November 7, 1998

Schedule of Events

Schools

8:00	Team Registration	
8:30	Introductions	Dave Verbrugge
	FIRST Founder's Remarks	Dean Kamen
	FIRST President's Remarks	Andrew Allen
	Introduction of Teams	Dave Verbrugge
8:55	Explanation of Rules	Rudy Cender
9:00	National Anthem	
9:02	First Round – Solo Run	
9:45	Second Round – Solo Run	
10:30	Third Round – One on One Competition	
11:00	Fourth Round – One on One Competition	
11:30	Presentation of Awards	
	Final Thoughts – President	Andrew Allen
	Final Thoughts – Founder	Dean Kamen

Apollo Elementary -- Ms. Spoor	Planet Dragon	Planet Cool Cars
Tech Warriors	Melissa Wickings	Shannon Dewitt
Josy Woychowski	Karlee McFarlane	Brandi Bailey
Teddy Rochar	Amanda Weiss	Brittney Messell
Mike Schroeder	Jason Cook	Katie Parks
Sean Seacord	Sammy Reoch	Ashli Gordon
Travis Stanley	Janette Cross	Sarah Minnick
Scott Liddell		Angela Earnest
Brandon Marotz		Shawna Brown
Derek Nelson		
Apollo Elementary -- Mr. Gomez	Electons	Electrified Legos
Brainstormers	Shane Whelan	Vincent Peel
Alex Cotner	Donald Boase	Matt Konarski
Matt Mitchell	Tony Boggetta	Aaron Chaderdon
Amy Page	Danielle Chappel	Jacquelyn Olds
Heather Ramsey	Monica Koby	Dayna Pratt
Erica Jarvie	Kristin Potter	Amanda Redick
Krystal Crocker	Jennifer Silver	Robert Hartman
Brittany Trull		
Baker Elementary -- Ms. Cremeans	Hot Robot	
Jestics	Heather Lancelina	
Adam Fullerton	Amber Frankford	
Corrie Vanderklok	Steve Parris	
Rachael Morga	Kalyn Caswell	
Pat McCarthy	Victoria De-La-Riva	
Brandon Harris	Lindsay Dowd	
Holly Heisordt	Joel Castillo	
Jon Johnson	Aaron Hinman	
Chris Holsington	Jake Goodin	
Matt Newdigate	Nick Tomiko	
Danny Spencer	Brendan Dooley	
Roger Umble		
Brooks Elementary -- Mr. Lacey/Mrs. Masson	The Stone Cold Stunners	
Brookbotics	Dustin Bray	
Heather Ash	Lauren Johnson	
Meagan Williams	Kira Luckes	
Dean Hartman	Colin McNutt	
Eric Stevens		
Highland Elementary -- Ms. Beach/Mr. Neighbors	Robotic Wizards	Roadbotics
Robotech	Tom Haller	Amber Conahan
Alex Calley	Amelia Grate	Jessica Riley
Aaron Bannasch	Danielle Bostwick	Kris Beck
Ashley Falkner	James Veen	Stephan Cahoon
Rachel Gottl	Frank Coakley	
Sean Mienkwi	Huron Valley Racers	
AS ₂ AW ₂ HN	Ashley Moore	
Steve Wilkins	Adam Jones	
Steven Hernandez	Matt Hendricks	
Amber Hovak	Danielle Powell	
Ashley Wesenberg		
Johnson Elementary -- Ms. Daviskiba	Mego Lego	Lego Maniacs
Lego Lightning	Andrew Baumann	David Merlan
Natalie Pafford	Joseph Belletini	Brittney Wisniewsk
Kylee Lenzion	Phillip Muscat	Kristen Schohl
Sarah Duncan	Stephen Syrowik	Joanne Wagner
Carissa Vanderschaaf	Jamie Yauch	Andrew LaCharite
John Carter	Erica Rosenberger	Cathaleen Tesolin
John Wielkopolan	Kristen Biddison	Matthew Walters
Justin Richardson	Kaitlin Warren	Eric Burt
Matt Tulpa	Lauren Kerruish	Thomas Consiglio
Johnson Elementary -- Ms. Smith	Fender Benders	Dragon Fighters
Smiths	Eric Marno	Amanda Ballnik
Alex Pogorzelski	Laura Almos	Sarah Amato
Kim Bartscht	Stephanie Chapma	Wade Davis
Morgan Flees	Aimee DePotter	Zack Davis
Ricky Gascoigne	Tyler Garman	Lou Elliott
Melissa Lalng	Griffin Hicks	Shanin Gaulin
Katie Sopsich	Kasey Kerr	Michelle Hargis
Elizabeth Zieg	Cassie Ruch	Phillip Paquette
Rachael Conklin		
Johnson Elementary -- Mr. Stern	Gugamunka Lego Gods	The Bolts
Bonzai	Paul Rossi	Kristen McLaughlin
Mike Muirhead	Bianca Rossi	Lisa Howell
Allison Malty	Nathan Shehata	Erin Fuelling
Skyler Dum	Kyle Thornbill	Michelle Ryba
Brett Drobot	Derek Thornhill	Bridget Freden
Mat Hutchins	Derek Morse	Chris Walters
John Goebel	Brent Gamalski	Spencer Giles
Amanda Lovera	Elyse Westerman	Corey Silvi
Nancy Bemis	Casey Agozino	Andrew Pogorzelski
	Alex Frieditis	

FIRST/LEGO League Pilot HOT SHOT HAVOC Huron Valley Schools/General Motors

**Lakeland High School
November 7, 1998**

8:00	8:30	Team Registration	
8:30	8:55	Opening Remarks	Dave Verbrugge
		Founders Remarks	Dean Kamen
		Presidents Remarks	Andrew Allen
		Introductions of Participants	
		Schools	
		--Teachers	
		--Teams	
		Judges	
		Referees	
		Assistants	
		Notable People	
8:55	9:00	Explanations of Rules	Rudy Cender
9:00	9:01	National Anthem	
9:01	9:45	First Round -- Solo Runs	
9:45	10:30	Second Round -- Solo Runs	
10:30	11:00	Third Round -- One on One Competition	
11:00	11:30	Fourth Round -- One on One Competition	
11:30	12:00	Presentation of Awards	
		Most Photogenic Robot	
		Most Bizarre Robot	
		Most Creative Name	
		Best Logo	
		Best Robot Design	
		Against All Odds	
		Play of the Day	
		Best School Spirit	
		Sortsmanship Award	
		Competition--3rd Place	
		Competition--2nd Place	
		Competition-- 1st Place	
		1998 FIRST LEGO League All-Star Team Award	
		Final Thoughts--President	Andrew Allen
		Final Thoughts--Founder	Dean Kamen
		Closing	Dave Verbrugge