



InTech Collegiate News

April—May 2011

Student

Successes

Issue

Principal's Message

I am always excited for the arrival of spring—the warmth, the length of day-light, and the feeling of renewal and energy! Also energizing is a whole slew of recent successes and recognition received by our students and faculty!

Thank you again for all your support of the school, our programs, and our students. Along with the advent of spring, we hope this newsletter, which highlights some recent successes, is energizing to you as well.

Jason Stanger

Re-Enrollment for 2011-12

All current students need to turn in a "Re-enrollment Letter of Intent" ASAP.

All returning students also need to turn in an "ICHS Enrollment Packet", and a "Course Request Form".

These forms can be found on the school website under the "Enrollment" tab.

New Enrollment for 2011-12

ICHS is still enrolling in grades 9-11 for 2011-12.

If you know of interested parents/students, please refer them to our website, have them call, or invite them to an information session.

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**InTech Collegiate High School
Information Sessions
for 2011-12 Enrollment
May 18 and 19 @ 6:30 PM
InTech Campus 1787 N Research Pkwy**

FIRST Robotics Brings Home More Hardware From Salt Lake Regional

Over Spring Break the InTech MegaBots #2993, competed Utah FIRST Robotics Competition Regional . Throughout the competition, the Megabots showed that they were a force to be reckoned with.

The regional competition brought in 31 teams of high school students from five states including: California, Idaho, Montana, Wyoming, and Utah. The teams varied in years of experience from eleven years down to first year competitors. All teams had only six weeks to design, build, program, and test their 120 pound robots to compete in this year's game, LogoMotion.

In LogoMotion, two alliances of three teams each compete against each other by hanging inflatable tubes in the shapes of triangles, circles and squares on a grid of pegs. The highest row of pegs is at almost ten feet up. Bonus points can be made by placing the shapes on the grid in the order of the FIRST logo: triangle, circle, square. Each match is two minutes and fifteen seconds long. During the last fifteen seconds of the match, additional bonus points could be earned by deploying a minibot that races up a ten foot pole.

The InTech MegaBots' robot, "Chomper", proved to be the best robot from Utah at the competition. During the round robin seeding matches, InTech ended up placing third qualifying them for the quarter finals.

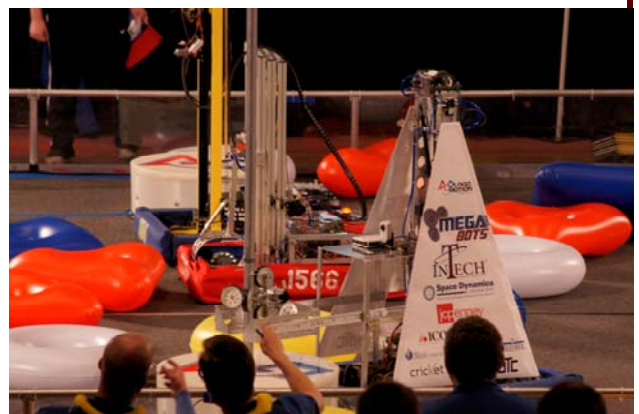
The MegaBots then competed in six more elimination matches before meeting up with the number one seed alliance. Ultimately, the number one seed alliance won the regional. Jim Baker, MegaBots team advisor said, "We gave them all we could, but just couldn't beat the experience the number one seed alliance brought to the game."

The InTech MegaBots ended up bringing home two trophies from the Utah Regional. The team received the "Utah Regional Finalist" trophy and the "General Motors Industrial Design Award". The Industrial Design award celebrates the precision and effectiveness of the robot design. It was stated by the judging committee that, "The InTech MegaBots' robot looked like it just came off the manufacturing floor."

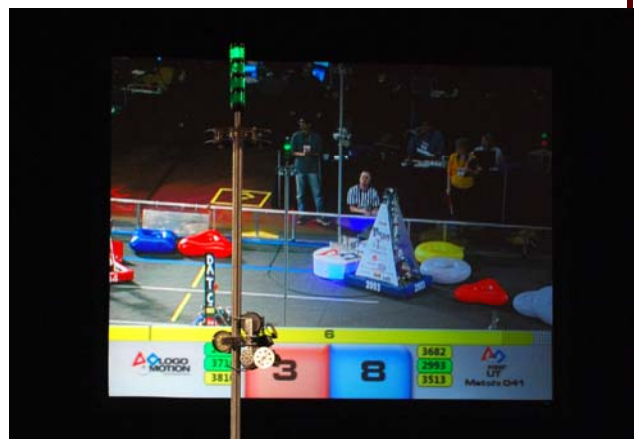
The Megabots mentoring team is led by Mr. Baker.



"Chomper" hanging an inflatable ring



"Chomper" deploying "Nibbler" a Mini-bot designed to climb poles.



"Chomper" on the competition field.

Students Honored in Toshiba ExploraVision Competition

Congratulations to the six teams who brought home national honorable mention recognition to ICHS during the ExploraVision competition. An honorable mention recognizes the top 10% of projects in the nation. ExploraVision projects focus on an invention that can be designed 20-years in the future. Dr. Kawamura is the faculty advisor for ExploraVision.

Team 1: *Bacterial Chemotaxis and Its Application to Biodegradation*

Rebecca Flemming, Collier Lunt, and Ty Wylie collaborated to develop this project about microbial bacterial used to decompose natural materials.

Team 2: *E-Suit*

Caitlin Hengge and Sunder Kannan's project envisioned the development of wetsuits with enhanced capabilities.

Team 3: *MECMEDS*

Jonathan Dursteler, Miriam Mora, and Kaylor Pierce teamed up to explore the use of nano-technology in the medical field.

Team 4: *SPILL*

Theo Hegemann and Tracy Welker's project reviewed the use of biological means/processes in the elimination of oil spills.

Team 5: *SCOPE*

Tenille Brown, Tyler Dewey, and Jacob Taylor focused their "Sterile Capsule Optimal Procedural Endoscopy" project on exploring the future of endoscopes using micro technology.

Team 6: *PEHN*

Chetna Arora, Kelsi Christensen, and Tessa Pudil's "Painless, Economic, Hypodermic Needle" project looked at the future of biodegradable micro-needles.

ICHS Students Compete in Model UN

ICHS students on the model United Nations team recently brought home an "Excellence" commendation for their Economic and Finance Committee in InTech Collegiate's first model United Nations competition (the Northern Utah Regional Model UN) Members of the committee include Ty Dewey, Jayme Warner, and Ana-Laura Licon.

The full team, will compete again, this time in the state competition held on April 26. The model UN team is advised by Mr. Dewey.

One TARC Team Qualifies for Nationals, Another Is Alternate



An ICHS rocket on the launch pad

Team 9143 at InTech Collegiate High School will compete in the National Finals of the world's largest rocket contest after qualifying among the top 100 teams in April, beating out the scores of 607 other participating student teams from across the country. The team will now travel to compete in the final fly - off of the Team America Rocketry Challenge (TARC) on Saturday, May 14, outside of Washington, DC.

The contest challenges middle and high school students across the country to design and build a rocket that will climb to 750 feet and stay aloft for between 40 and 45 seconds using a 15 - inch diameter parachute for a recovery device. Teams must also transport a payload of one egg in their rocket and return it unbroken. Students compete for \$60,000 in prizes and scholarships, as well as a chance to compete nationally at the finals held at Great Meadow in The Plains, Va. (near Washington, D.C.). The winning team also earns the chance to attend the International Air Show in Paris, France.

InTech Collegiate High School has competed in TARC for the last four years. This year, four teams competed. The team that qualified is captained by Joseph Heinzman, Jr. with team members Theo Hegemann, Derek Hunter, Annie Nielson, Thomas Royer, and Graeme Smith. InTech Collegiate also has a team on the alternate list: Team 9144 is captained by Kelsi Christensen and includes Tenille Brown, Paz Calderon, Jordan Costel, Jacob Killpack, Margaret Robison, and Makail Swan. This is the first time that a Utah school will be represented at the National Finals.



An ICHS rocket launching

About 6,000 students from across the country took part in the contest in this, its ninth year. Since TARC's first contest in 2003, over 60,000 students have participated in the challenge. The Aerospace

Industries Association sponsors the contest with the National Association of Rocketry, NASA, the U.S. Department of Defense, the American Association of Physics Teachers and AIA member companies.



Part of an ICHS rocket parachuting back to earth.

"TARC is a great way for students to get real aerospace engineering experience, and it's also a lot of fun," said Marion Blakey, president and CEO of the Aerospace Industries Association. "We are delighted Team 9143 has joined this important effort."

Help the TARC Team Make It To Nationals!!!

**Come to dinner at Chili's on Monday May 2nd.
Proceeds will support TARC.**

InTech Collegiate Has Best Outing Ever at Regional Science Fair

Congratulations to the students who represented our school at the Ritchey Science Fair at Weber State University. A full list of winners and awards is available at www.intechchsscience.com.

Jenn Christensen	2nd Place—Chemistry 2nd Place American Chemistry Society
Kelsi Christensen	1st Place—Earth Science 2nd Place—US Air Force
Tyler Gladwin	2nd Place—Medicine
Caitlin Hengge	1st Place—Zoology
Kalyani Kannan	3rd— Place-Social Behavioral
Makail Swan	3rd Place—Chemistry
Jayme Warner, Taylor Warner	3rd Place –Environmental Science
Tracy Welker	3rd Place—Botany
Jonathan Cook, Ty Dewey, Tyler Lewis, Ammon Hooper, Erik Sargent, Harsh Singh	“Excellence” in their respective categories
Dylan Durrant and Graeme Smith	“Honorable Mention” in their respective categories.



Mikail Swan with her science fair project display.



Kelsi Christensen reviews her recognition at science fair while other InTechians look on.

Erik Sargent receiving an award at the regional science fair.

ICHS Students Outperform Norm Groups on ACT/Plan/Explore Tests

On March 1st, all ICHS students in grades 9-11 participated in one of three tests produced by the American College Test (ACT) organization.

All juniors took the ACT test, one of two tests commonly used by college admissions offices to select students for admission. Sophomores took the Plan test (which is highly predictive of later ACT performance) and Freshman took the Explore test (which is predictive of future Plan performance).

The graphs on the next page show ICHS performance relative to either the state or national norm.

ICHS Student is Dupont Challenge National Award Winner



Jayme Warner

The Dupont Challenge Science Essay Competition has named Jayme Warner as its 2011 Senior Division 1st Place Winner for her essay, "Salt: Enhancing Lives One Breath at a Time." Jayme's essay was selected from nearly 9,000 entries from across the United States and Canada. Along with a \$5,000 US Savings Bond, Jayme and a parent will also receive an expenses-paid trip to Walt Disney World and the Kennedy Space Center to attend the national awards ceremony.



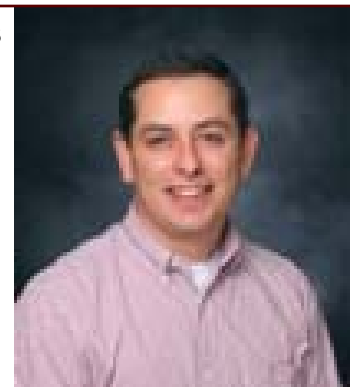
Dr. Kawamura

Additionally, Dr. Stephanie Kawamura is being recognized as Jayme's sponsor and will also receive a cash prize, an expenses-paid trip to Disney World, Kennedy Space Center, and the 2012 National Science Teachers Association Conference.

Mr. Baker Named UCET Teacher of the Year

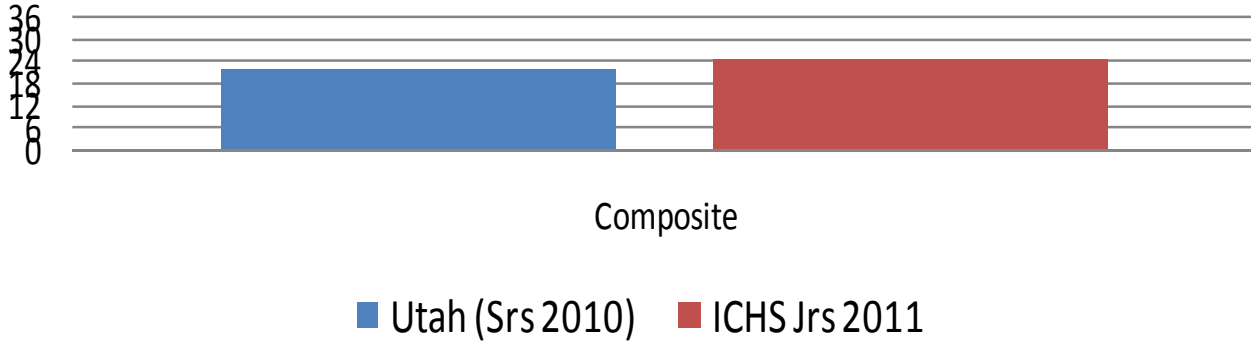
The Utah Coalition for Education Technology (UCET) named James Baker as its 2011 Technology Educator of the Year. The honor is bestowed by UCET on a teacher who not only effectively uses educational technology to enhance their own students' learning, but who also makes a significant contribution to the promotion of the effective use of education technology throughout their own and other schools.

Mr. Baker's nomination and subsequent award came for his efforts as InTech Collegiate High School's engineering teacher and technology director.

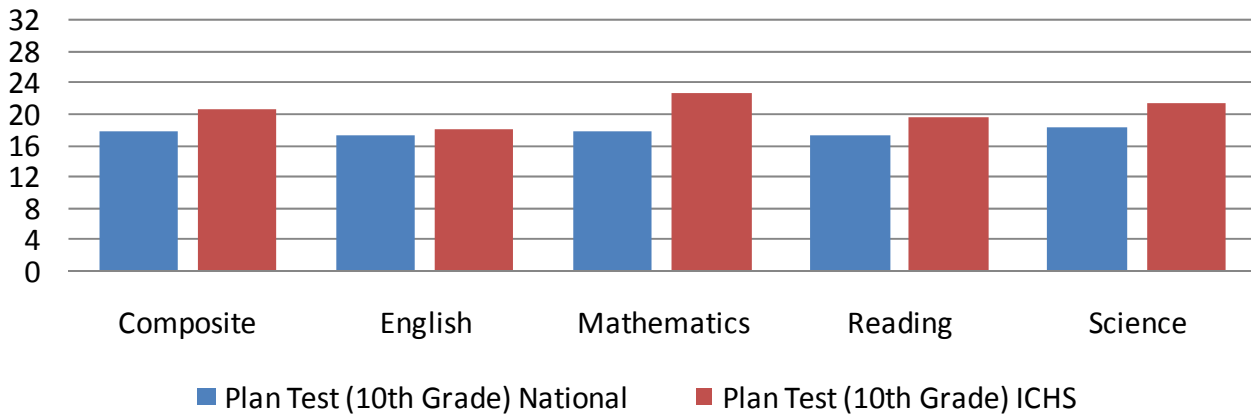


Mr. Baker

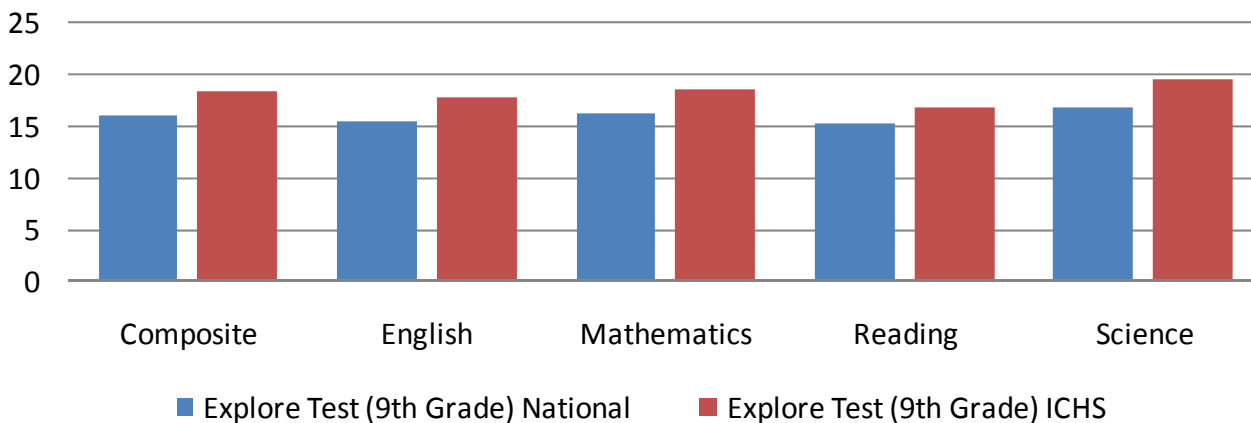
March 2011 ACT Test (11th Grade)



March 2011 Plan Test (10th Grade)



March 2011 Explore Test (9th Grade)



11th Graders Repeat as State Math Champions, 9th & 10th Second Place

The junior delegation from InTech Collegiate are State Champions in mathematics for the second year in a row (having won as sophomores last year). The championship team is composed of Josh Israelsen, Vivian Tsai, and Ty Dewey.

The 9th and 10th grade teams also fair well, each taking second place honors in their grade level. The ninth grade team included Taylor Warner, Harsh Singh, and Mitch Pudil. The 10th grade team is made up of Frank Tsai, Fabio Gottlicher, and Ana-Laura Licon. Mrs. Lawrence is the coach for all three teams.

Teams and Individuals Win Honors in the American Math Competition

InTech Collegiate High School students participated in the annual American Mathematics Competition.

ICHS had two “winning” teams (amongst the top team scores in the nation). The senior winning team included Graeme Smith, Jonathan Cook, and Paul Hart. The sophomore winning team included Frank Tsai, Fabio Gottlicher, and Taylor Warner.

In addition to the team recognition, Graeme Smith and Frank Tsai were named as individual winners (amongst the top individual scores nationally) and Frank was an AIME qualifier (in the top 1% nationally). Mrs. Lawrence is the advisor for the AMC teams.



Frank Tsai

3rd Term High Honor Roll

9th Grade

Luke Hegemann
Antonio Jacome II
Kalyani Kannan
Mitchell Pudil
Erik Sargent
Harsh Singh
Taylor Warner

10th Grade

Naomi Clements
Michael Davenport
Jonathan Dursteler
Fabricio Gottlicher
Ammon Hooper
Ana Laura Licon
Jessica Mellenthin
Kaylor Pierce
Makail Swan
Frank Tsai
Jayme Warner

11th Grade

Jessica Boman
Tenille Brown
Kelsi Chrsitensen
Tyler Dewey
Paul Hart
Caitlin Hengge
Sunder Kannan
Vivian Tsai
Tracy Welker

12th Grade

Joanna Dobrowolska
Emroy Enroth
Graeme Smith
Christian Wyatt

3rd Honor Roll

9th Grade

Clark Taylor

10th Grade

Kegan Black
Brooke Jorgensen
Carolina Magana
Dianna Orellana-Lazo

11th Grade

Jacob Killpack
Vance Larsen
Tessa Pudil
Michael Ross

12th Grade

Alayna Baker
Colby Hassan

April 2011

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
24	25	26	27	28	29	30
		State Model UN		Board Mfg 4PM	TARC Launch 3:45	

May 2011

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2	3	4	5	6	7
	ICHS 5K (2PM) TARC Fundraiser @ Chili's	State Media Arts Fest	AP Calc Test	AP English Test	AP Euro Hist Test TARC Launch 3:45	
8	9	10	11	12	13	14
	Math/English CRT	Math/English CRT AP Govt Test	Science CRT	Science CRT	Physics Day @ La- goon	
15	16	17	18	19	20	21
			Enrollment Info Session 6:30PM	Enrollment Info Session 6:30PM	Seniors' Last Day	Prom 7-11PM (Whittier Center)
22	23	24	25	26	27	28
	Talent Show & Awards Assembly (1PM)	Graduation 6:30 PM (USU Eccles Conf Cntr)		Field Day (Early Out) Board Mfg 4PM	Year Book Day (Early Out)	



Early College — STEM Education — Under-Represented Outreach

ICHS Students Win Slew of Honors at Northern Utah Language Fair

ICHS Spanish class students participated in the Northern Utah Language Fair. Led by Ms. Olsen, the participants earned several awards for InTech Collegiate's first showing at the fair.

In the culture bowl, ICHS students, Taylor Warner, Whitney Baker, Brooke Jorgensen, and Jon Dursteler made it to the finals—ending up with a second place finish.

ICHS took both 2nd and 3rd place in the talent competition for the "Mexican Hat Dance" (Makail Swan, Brad Johnson, Jon Dursteler, Margaret Robison, Whitney Baker, and Jacob Killpack) and "Fui" sung by Jen Christensen.

2nd place awards were also won by their video entry.

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Help the TARC Team Make It To Nationals!!!

Come to dinner at Chili's on Monday May 2nd.
Proceeds will support TARC.

Now Enrolling for 2011-2012

- Tuition Free
- Smaller Learning Community
- Early College Program
- Science and Engineering Focus

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