



Kingswood Space Flight Center Highlights

Kingswood Regional High School

Volume 9, No.2

Shuttle Main Landing Gear Tire Project

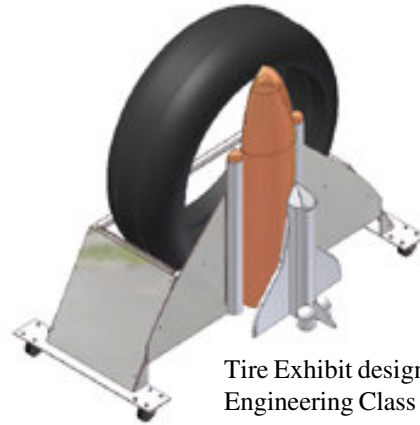
The Shuttle Tire/NH Astronaut Exhibit is well on it's way. Aerospace students **Jason Beckwith, Justin Bohmiller, Jack Bowen, Kristina Buswell, Jim Dore, Dustin Eaton, Austin Gray, Sam Mason, Keven McIntire, Patrick Murphy, Chris Schulte, Corey Stanley, Greg Sullivan, and Tyler Zimmer** completed all the primary research concerning the NH astronauts, their missions and shuttle operations.

Kingswood teacher **Glenn Wilson** worked with Engineering students **Adam Barron, Nick Bradbury, Mike Hlushuk, Jesse Moran, and Billy Watson** to design the stand to support the tire. They have supplied the fabricators with a fantastic set of drawings. Students **Martin Orlowicz, Shawn Neilsen, Shannon Letendre, and Josh Olzewski** have begun fabrication activities. Student **Samantha Lessard** laid out the large shuttle cut-out that was cut on the CNC Plasma cutter. Teacher **Tom Loonam** is working with a team of wood tech students to fabricate the 3D model of the shuttle to be attached to the front panel, while art teachers **Kristi Smith and Tresa Livernoise** are coaching a team of art students who will illustrate the stand and tire.

Space science awareness activities in support of the project were conducted by teacher **Katherine St. Hiliare** and her Language Arts class.



Martin Orlowicz cuts out the steel for the Tire Exhibit



Tire Exhibit designed by the Engineering Class



Shawn Neilsen welding the frame



Martin Orlowicz grinds the frame



Shannon Letendre grinds the front panel

Kingswood Mentors

Kingswood Aerospace wishes to thank all the individuals who volunteered to mentor students last semester. On the next page, is a list of all the students and their mentors:

Jason Beckwith
Jack Bowen
Chris Brooks
Kristina Buswell
Ryan Cude
Austin Gray
Kate Lizotte
Andrew Martino
Sam Mason
Keven McIntire
Patrick Murphy
Chris Schulte
Corey Stanley
Greg Sullivan
Andrew Dixon

Amri Hernandez-Pellerano, NASA GSFC
Eric Winter, NASA GSFC
James Ryan, NH Air National Guard
Tara Chaidez, FAA
Michael A. Johnson, NASA GSFC
Jerry Hopkins, FAA
Jennifer Kalled, local Wolfeboro artist
Bill Moran, Air Force retired
Ed Chiuchiolo, FAA retired
Catherine Hesh, NASA WFF
John Hickman, NASA GSFC
Jack Shue, NASA GSFC
Lauri Farris, NH Air National Guard
Vinny Devino, NH Aviation Museum
Dutch Dunkelberger, NH Air National Guard

Aero Students pilot NASA/Engineering byDesign Activity

The Kingswood Aerospace class this year continued its role as pilot testers for NASA Units written for the Engineering byDesign (EbD) curriculum. EbD is based on the Standards for Technological Literacy that was written by the International Technology Education Association's Technology for All Americans Project. This activity required students to design and build a model of a lunar colony and the electrical generating system to provide the necessary power. Students then presented their plans to their classmates. The unit was co-authored by **Ken Smith**, Instructional Supervisor for Career and Technology Education in St. Mary's County, MD, **John Hansen**, Executive Director of the Ingenuity Center, University of Texas at Tyler, Texas, and **Dan Caron**, Technology Education teacher at Kingswood Regional High School.

Aero Students earn CAP Aerospace Excellence Award

The Kingswood Aerospace students have once again earned the Aerospace Excellence (AEX) Award from the Civil Air Patrol. The students earn a certificate and the class receives a plaque for completing a number of aeronautics and space related activities from the AEX Handbooks and regular activities from the Aerospace Technology class. Students earning this award were **Jason Beckwith, Jack Bowen, Kristina Buswell, Austin Gray, Sam Mason, Keven McIntire, Patrick Murphy, Chris Schulte, Corey Stanley, and Greg Sullivan.**

Kingswood Aerospace Rocket Garden

The most recent addition to the historically accurate set of rocket model is the 1:144 scale rocket garden funded through the **Robert L. Cannon Award from the National Association of Rocketry**. The garden includes: a Mercury capsule, Little Joe, Mercury Redstone, Mercury Atlas, Saturn IB, Gemini Titan, Delta II w/ additional payload fairings, Soyuz rocket w/Soyuz and Voskhod spacecrafts, Shenzhou Long March, Ares I and Orion and Apollo spacecrafts.



For additional Information concerning any of the above activities, contact:

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