



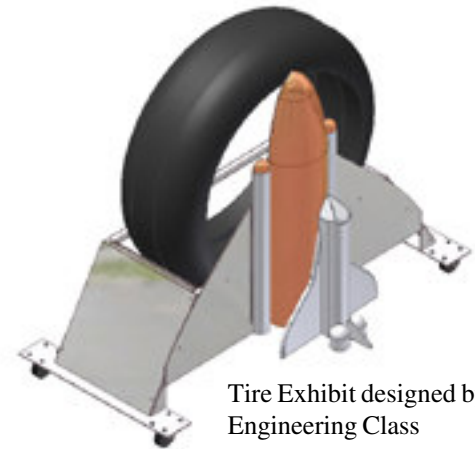
Kingswood Space Flight Center Highlights

Kingswood Regional High School

Volume 10, No.1

Shuttle Main Landing Gear Tire Project

The tire exhibit has moved on to the Art and Wood Technology students who have been working hard to complete the project. Below are some of the pictures taken last spring while the art students worked on the front panel. The class worked in teams to design the front panel. We then met as a group to critique the various proposals. The final design is a composite representing the best of each design. Below left is a photo of the panels nearing completion. The two pic-



Tire Exhibit designed by the Engineering Class

tures below, show the two primary designers, **Haylea Erickson** on the left, and **Alison MacDonald** on the right working diligently to complete the panel before school was dismissed last June. Other members of the class included: **Allison Ames, Katie Buchanon, Whitney Bushman-McBride, Meegan Ellis, Ziva Lyons, Jacy MacNeil, Molly Perham, Meagan Pike, Andrea Thompson.** The final components are the external tank and orbiter model which are being built now in the Wood Technology class. More photos next time.



Knights Space Academy Graduates Ten Future Engineer/Astronauts

The Knight Space Academy recently graduated ten future astronauts and/or engineers. Participants begin as cadets and progress through the ranks each year they attend the Academy. Cadets graduating to the rank of Mission Specialist were **Matthew Bean, Nikki Cayon, Alex Gehl, Liam Morrissey, Louis Richez, and Samantha Wood**. Graduating from Mission Specialist to Pilot was **Tyler Roberts**. Graduating from Pilot to Commander was **Evan O'Dowd**. Graduating from Commander to Mission Commander were **Sam Coache and Danny Roberts**.

As always, model rocketry was the highlight of the week. The future rocket engineers built their models, discussed solid fuel motor codes, and launch safety before launching out on the test range. Other activities included a study of the space environment, design and construction of space stations and learning to fly the flight simulator. As a special treat, rocket propulsion engineer, **Catherine Hesh**, teleconferenced with the group to explain her duties working for NSROC at NASA Wallops Flight Facility in Virginia. She briefly described NASA's sounding rocket program and how she inspects solid rocket motors prior to launch. The rocketeers were amazed to discover that sounding rockets are not designed to achieve orbit even though they can reach an altitude 3 times greater than the International Space Station's orbit.

The week concluded at Friday's graduation ceremonies where each engineer/astronaut received their graduation certificates, stickers, posters and other mission memorabilia sent by the education office at NASA Goddard Space Flight Center.



Space Academy graduates from the morning session included (l to r) Liam Morrissey, Alex Gehl, Nikki Cayon, and Tyler Roberts



Space Academy graduates from the afternoon session included (l to r) Samantha Wood, Sam Coache, Louis Richez, Evan O'Dowd, Danny Roberts and Matt Bean.

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

Dan Caron
dwcaron@hotmail.com
Kingswood Space Flight Center
Kingswood Regional High School, 396 S. Main St., Wolfeboro, NH 03894
603-569-2055