

EJHS ENGINEERING CLUB

Club Sponsor: Kathryn Rabolt

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Schedule and Content Covered*

Date and Time	Subject	Project
2/5/14 3:00-4:00p	Alternative Energy	Design and Build Wind Turbines to generate electricity
2/19/14 3:00-4:00p	Alternative Energy	Use Snap Circuit Kits to explore solar power, hydro power, and fuel cells.
3/6/14 3:00-4:00p	Chemical Engineering	Make two types of Super Glue and Yogurt witnessing chemical reactions
3/19/14 3:00-4:00p	Mechanical Engineering	Design and build your own Amusement Park Ride .
4/2/14 3:00-4:00p	Electrical Engineering	Build and test DC Motors and a Mores Code Machine
4/23/11 3:00-4:00p	Nano-technology	Test nano-fabrics and products
5/7//14 3:00-4:00p	Aerospace Engineering	Design and Build Airfoils and Flying Machines** <u>(safety pledge must be signed and turned in in order to participate)</u>
5/21/14 Time is TBD	Aerospace Engineering	Field trip to NCHS to test airfoils (tentatively planned)

*Order of topics may change — listen to announcements to know the topic for the week.

Other Information:

-A \$5 donation is helpful in providing supplies although not required to attend this club.

-**Students MUST have a safety pledge signed by them and parents/guardians in order to use the shop equipment (table top band saw, table top scroll saw, sander, hot foam cutter) and wear approved safety goggles/glasses.

-Safety goggles/glasses will be provided for students who do not have their own when needed.