

## NACME Science and Engineering Event

The notes for the **NACME Science and Engineering Event** in the Brunswick County Jamboree have been updated. Please carefully review these updated notes and contact me if you have any questions.

**NACME Science and Engineering Event** – Multiple choice, completion, and matching questions will be prepared from information in this memo and on the **NACME.org** and **YouTube** websites. Although **two** students will make up each team, all students (middle and high school) should be exposed to information on the site. Click on the following link (bottom of **Home** page), ***Types of Engineering***, to obtain the descriptions of major engineering programs (17) in **Types**: Agricultural and Biological, Audio, Bioengineering and Biochemical, Biomedical, Ceramic and Materials, Chemical, Civil, Computer, Electrical, Environmental, Geological and Geophysical, Industrial/Manufacturing, Marine and Ocean, Mechanical, Mining, Nuclear, and Petroleum.

They should also click on **Related Resources** (bottom of the **Home** page) and then “**What Is Engineering?**” in the **Audio and Video** section. This YouTube video, **What is Engineering?** (video by the University of Newcastle for 4.18 minutes) should be studied along with the following videos. Type the following titles in the search box for YouTube because test questions will be obtained from these videos: 1) **Work and Power** (6.45 mins. by Paul Anderson), 2) **What Do Engineering Do?** (10 mins. by Explorist), 3) **What Is Science** (? mins.) by Letstute, and 4) **Climate Change** (8.43 mins.) by Matt Miltonberger.

The test will also include questions on the “**Ten Reasons to Love Engineering**”. Since the information may sometimes be difficult to obtain on the website, the reasons are listed now: 1) Love your work and live your life, 2) Be creative, 3) Work with great people, 4) Solve problems, 5) Never be bored, 6) Earn a big salary, 7) Enjoy a big salary, 8) Travel, 9) Make A Difference, and 10) Change the world.

**William Flythe 3/23/2022**