infographic: Be an Engineer

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**BE An Engineer**

- **Calculus and Statistics**
- **Physics, Biology and Chemistry**
- **Computer Science and CAD**

**Take higher level AP or IB courses (7)**

**Research the various STEM fields and find your fit (6)**

**Join a summer camp**

**Apply for internships**

**Make your summer productive (5)**

**Develop a mentor (8)**

- **Play computer and video games such as Tetris**
- **Experiment with photography**
- **Build your visualization Skills**

**Research and begin the application process of the many engineering schools (2)**

**Volunteer in your community and find leadership roles (4)**

**Work on summer projects**

**Research and apply for financial aid opportunities (3)**

**Use apps, quizzes and online games for building these skills**

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*Designed by William Wanyagah (Wanyagaw@myerau.edu) - engineering student*

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Resources

1. Websites such as learn4good.com and mindgames.com provide games for developing visual skills.

2. USNews.com provides great information on colleges, as well as the application process for each.

3. Websites such as collegeboard.org and Unigo.com offer thousands of scholarship opportunities to both students in college and those looking to go.

4. Volunteer match provides information on many volunteer opportunities in various communities.

5. Although collegechoice.net is used for finding colleges, it can also be used to find summer programs for high school students. The SEEK program under NSBE also provides great summer opportunities.

6. Onetonline.org gives you descriptions on various STEM fields.

7. Collegeboard.org provides all the information on AP and IB courses for high school students.

8. Big brother programs are active in many communities. Websites such as mentoring.org provide faculty and community leaders with the resources to create mentor programs. mynsbe.org/participate/mentoring Also provides information on becoming a mentee.

STEM apps for young students

View thousands of images from shuttles to galaxies and stars on the NASA app.

Test your mind with quizzes and games using the Brain Pop app.

Explore basic physics in the Simple Machines app that features pulleys, levers, wheels and so much more.

Design and test your own exoskeleton and mechanisms in The Robot Factory app.

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