

Publications

2018

Infographic: Be an Engineer

Leroy L. Long III

Embry-Riddle Aeronautical University - Daytona Beach, longl2@erau.edu

William Wanyagah

Embry-Riddle Aeronautical University, wanyagaw@my.erau.edu

Follow this and additional works at: <https://commons.erau.edu/publication>



Part of the [Higher Education Commons](#), [Science and Mathematics Education Commons](#), and the [Secondary Education Commons](#)

Scholarly Commons Citation

Long, L. L., & Wanyagah, W. (2018). Infographic: Be an Engineer. , (). Retrieved from <https://commons.erau.edu/publication/1042>


This Infographic is brought to you for free and open access by Scholarly Commons. It has been accepted for inclusion in Publications by an authorized administrator of Scholarly Commons. For more information, please contact commons@erau.edu.

BE An Engineer

Computer Science and CAD

Calculus and Statistics

Physics, Biology and Chemistry



Take higher level AP or IB courses (7)

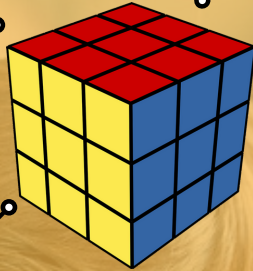


Become a mentee (8)

Play computer and video games such as Tetris

Play with toys such as legos, 3D Blocks and puzzles

Use apps, quizzes and online games for building these skills



Experiment with photography

Build your visualization Skills (1)




Research the various stem fields and find your fit (6)

STEM
Science·Technology
Engineering·Math

Apply for internships


Join a summer camp

Work on summer projects



Make your summer productive (5)

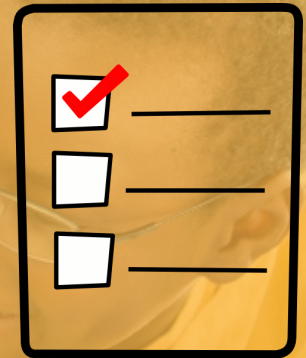
Volunteer in your community and find leadership roles (4)



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



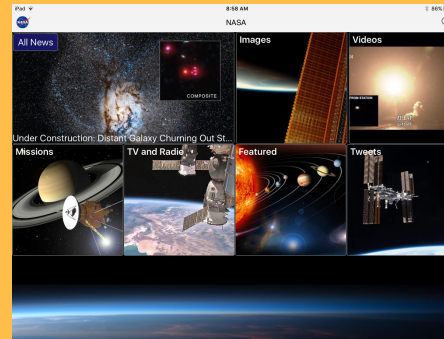
Research and apply financial aid opportunities (3)



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.
my.nsbe.org/participate/mentoring Also provides information on becoming a mentee

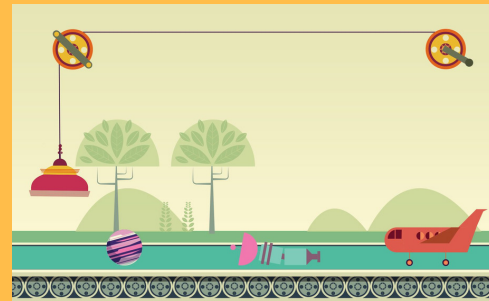
STEM apps for young students



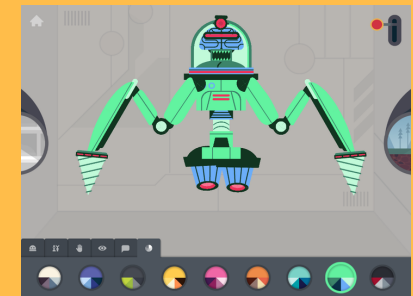
View thousands of images from shuttles to galaxies and stars on the NASA app



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