My NASA STEM career

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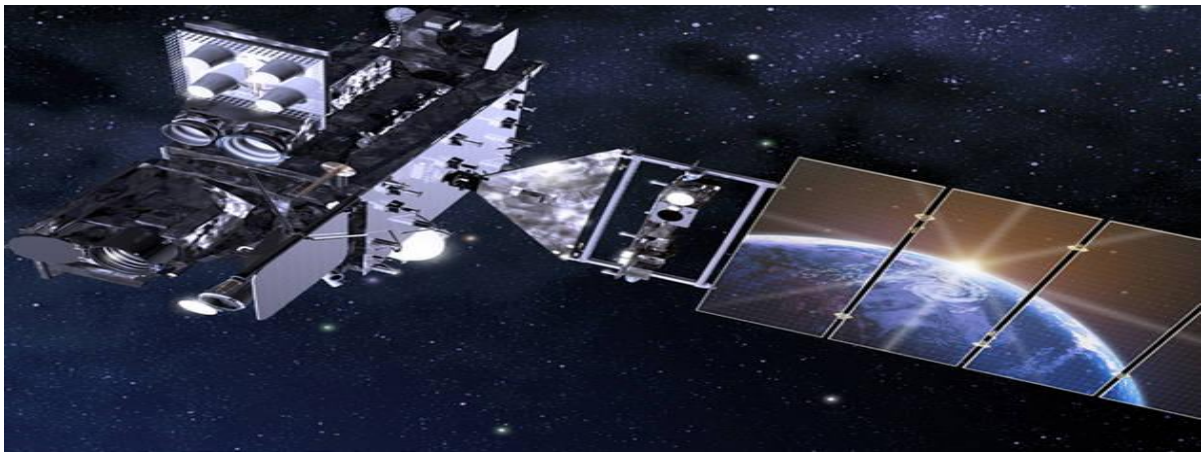
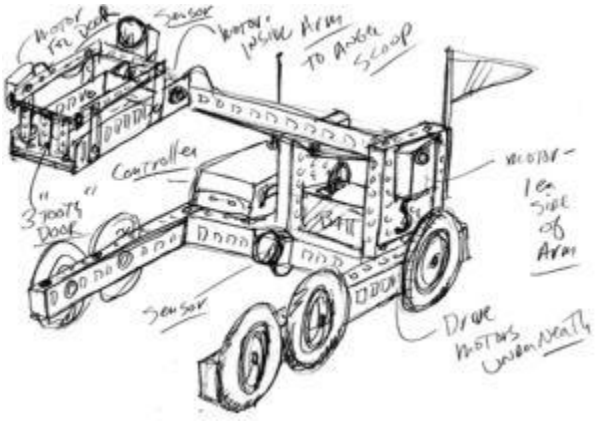
My dream is to be a National Aeronautics and Space Administration aerospace engineer.Engineers at NASA make rockets that explore space.Space is so mysterious that the possibilities are endless.NASA helps future generations be innovators.NASA helps America stay at the top in space exploration.The space program benefits everyone by giving jobs to people.Most importantly,NASA solves the mysteries of space.Humans will be colonizing Mars in a thousand years.Humans are destroying Earth.Earth could be destroyed in a thousand years because of the Ozone layer.There is water on Mars, so Mars is instantly habitable.Space is the perfect field of STEM to find questions and answer them.That is why I chose NASA as a career choice.





The team and professionals both build prototypes and test them.The only difference is that the professional's identify the problem first instead of getting ideas to fix the problem right off the bat.The team uses the process to quickly identify the problem in seconds,making it unecessary to spend minutes identifying the problem.In more complicated robotics the engineers will have to spend minutes or even hours figuring out what went wrong with the robot.For example,the team's first robot, Wrecker, broke.The arm broke because it was too long.Imagine a big rocket system.It must have taken a *lot* of work to build the rocket.The consepuences of a rocket failing while launching would be money,or even death.In that scale, compared to VEX, building a rocket has high stakes.So engineers will spend all night building the robot.Like in the *Spirit* rover.Most engineers spend at least seven nights just building the robot and checking it.

The main way I found out about NASA was GATE.Before GATE my dream was to become an artist.The first assignment in GATE for us was to write job profiles.I wrote artist and drew a picture of an anime girl for the portfolio.We would look at wages and I found out that STEM jobs earn more then jobs not in STEM. One day at GATE we were assigned a documentary to watch about space.It was only when I heard about the twin paradox that I was interested in NASA.In a documentary people were testing the twin paradox.The people went in a high speed plane all around the world.Scientists on earth and on the plane were calculating time.The scientists were less then one second younger than the people on earth.I started researching STEM and found about aerospace engineering.Soon I got interested in a STEM career.

Most careers need experience to join.To get experience you need a career.In this situation you will have to volunteer or do an extracurricular activity to join.If you volunteer you have to be a teen,basically an adult.The only way to get “experience” when you are in elementary or middle school is to join an extracurricular activity related to STEM.The best options in my school are science olympiad and robotics.Science olympiad is a better option for scientists.The best thing to add to your "experience"when you are still young is a robotics team.Robotics team engineering challenges could help you when writing your college essay.Which would make your career more advanced if you graduated from MIT.In summary,I found about STEM careers from GATE;and Robotics helps as a college essay or "experience".

nasa.goc/audience/foreducators/best/edp.html

nasa.gov/careers/engineering

nasa.gov/specials/value-of-nasa

Img. credits
nasa.gov/stem/nextgenstem/earth-toolkit.html

pintrest.com/pin/overveiw-of-the-engineering-design-process-54915774284377740/

And to the GATE program for introducing me to all of this and sticking important information in my head