

Freshman STEM

Mrs. Johnston

March / April 2020

Our “Genius Hour” Project can be an at-home project. If you recall, “Genius Hour” is your chance to pick a project that you want to do. It is the perfect opportunity to figure out a way to:

- **Help your community** (maybe virtual collaborations? Messages to the elderly? Etc.)
OR
- **Figure out the “Ungoogleable”** (Spend time trying to find out the answer to a question that hasn’t been answered yet!) OR
- **Create or Innovate** (Build, design, or create something from scratch) OR
- **Learn or Master something** (Learn or practice a skill to work towards mastery – playing an instrument, learning a language or magic trick... the possibilities are endless)

The proposal for the project was given out in class – a new one is attached. Feel free to decide on a new project idea. Do something YOU want to do with your time.

You can share your work with me on Office 365. Or hold on to a hand written form.

I am also sharing the rubric for the presentation. This is for down the road a bit, but it may help give you some guidance as to what is expected for the final project / presentation.

Your task:

At this stage I am only asking that you finish what we started in class:

Fill out the proposal page

Feel free to move on and actually follow through with your proposal. You could even get started on the presentation part of it if you choose.

Please let me know if you have any questions: Email: Kjohnston@nfschools.net

(Many experts in their field are not currently working... feel free to reach out to ask for information or advice from those experts!)

Pick from one of these four categories to create your project:

Help Make the World/Community
A Better Place



A genius solves a problem in a way no one else could. A genius looks at a problem with fresh eyes. A genius is ready make a unique impact on the world; solve a problem in a new way.

For this genius project choose a problem and find a solution that will benefit others on a community or global scale.

The UnGoogleable



A genius begins with a question that hasn't been answered anywhere, ever. A question that takes time to answer. It has an UnGoogleAble answer.

This genius hour project requires students to research something that goes beyond facts and summary but requires analysis, synthesis, and evaluation. Students will look at multiple theories and present their findings.

Create/Innovate



A genius gives the world something it didn't know was missing.

For this genius project you will create or make something. You can build, design, or create something from scratch.

Learn/Master



A genius seeks to gain knowledge about something that interests them. It takes 10,000 hours to get to mastery.

For this genius project students will spend their hours practicing and mastering a personal passion of theirs.

Genius Hour Project Proposal

<u>Topic:</u>	<u>Description:</u>	<u>Your Answers:</u>
Title	Think up a descriptive title. Try to be creative if it fits.	
Project Type	Which project will you be completing? 1. Help make the world/community a better place 2. The UnGoogleable, 3. Create/Innovate 4. Learn/Master	
Challenge/Goal	What challenge/goal/question will drive your work? Briefly explain your goal.	
Essential Question	What is your essential question that you want to answer throughout this project?	
Learning	What do you expect to learn? How will you be challenged? How will this stretch you?	
Materials	List your materials/resources and who will be providing them.	
Main Steps	Outline the main steps to complete your project or provide a link to another site that has the steps. Below the link explain any additional steps you need to complete	

Time	How long do you expect this project to take? Will work need to be done outside of class?	
Resources	List possible sources of inspiration to complete this project. Are there any outside experts who you could learn from or who might help you? Are there existing examples of the sort of project you want to complete? How will you develop YOUR resources?	
Difficulties	What parts of this project might be difficult? How do you expect to handle them?	
Presentation	How will you present your creation/information/findings to your classmates? What visuals will you use?	
Sharing	Sharing/Teaching/Paying It Forward- How will you share what you have learned with others? Who is your target audience? (YouTube, etc.)	
Evaluation	How will you define your project's success? How should we evaluate your success? How will that be "visible" to others? (Demonstrate) Can your project be measured throughout this project?	

Genius Hour Rubric

Name: _____

Points: _____/60

	<u>Boss (10 points)</u>	<u>Employee (9-7 points)</u>	<u>Intern (6-4 points)</u>	<u>Temp (3-0 points)</u>	<u>Teacher Comments</u>
<u>Creativity</u>	Demonstrates a high level of curiosity and offers a unique perspective on topic. Final product is distinct from other projects	Demonstrates a solid level of curiosity and offers a unique perspective on the topic. Final Product distinct from other projects	Demonstrates curiosity and offers a different perspective on topic. Final product is similar to other projects.	Demonstrates marginal curiosity and offers a similar perspective on topic. Final product is similar to other projects.	
<u>Organization</u>	Created a well-developed action plan, kept deadlines throughout process, independently able to figure out what needed to be done in what order	Created a well-developed action plan, finished deadline throughout process. Able to figure out what needed to be done and in what order with some help.	Created action plan and completed deadlines by presentation. Able to figure out what needed to be done and in what order with a lot of help	Had help creating action plan and rushed to meet deadlines. Figured out what needed to be done and in what order with a lot of help.	
<u>Productivity</u>	Showed a very strong and efficient use of time and resources	Showed efficient use of time and resources	Not always prepared and wasted time	Rarely prepared and consistently wasted time	
<u>Grit/Hustle</u>	Demonstrated ability to overcome obstacles and distractions. Never let setbacks get in way of accomplishing goals	Demonstrated ability to overcome most obstacles and distractions. Rarely let setbacks get in way of accomplishing goals.	Demonstrated ability to overcome some obstacles and distractions. Sometimes let setbacks get in way of accomplishing goals.	Had difficulty overcoming most obstacles and distractions. Allowed setbacks to get in way of accomplishing goals.	
<u>Presentation</u>	Showed strong passion and sense of purpose. Conveyed both successes and failures to entire class including what he/she learned	Showed passion and sense of purpose. Conveyed both successes and failures to class	Showed sense of purpose. Conveyed both successes and failures to class	Purpose was unclear. Failed to convey successes and failures to class	
<u>Reflections</u>	Reflections are completed every week, are very specific and detailed, and have no punctuation or grammatical errors	Reflections are completed every week, are detailed, and have no punctuation or grammatical errors	Some reflections are not completed, however those that are are detailed with very few errors	Missing many reflections and is not filled out with details, many errors	

Genius Hour Rubric

We started Genius Hour with the hopes of giving each of you the opportunity to explore your true passion in life. I hope your final presentations show an intrinsic motivation to better yourself and become a lifelong learner.

Each final product and presentation will be unique as each of you are working on different topics. This rubric reflects a generalization of your overall goals of Genius Hour. Throughout the project you are expected to meet deadline, complete assigned worksheets, stay organized, and be productive. Your final presentation should both include the information you have learned/final product and how your project was or was not successful (Explain obstacles and successes you dealt with throughout Genius Hour).

