



6th Grade Richards IB Summer Advanced/Gifted Math Project

Hello, my name is Mrs. Ledwick. I will be your 6th Grade Advanced/Gifted Math Teacher for the 2019-2020 School year here at Richards Middle School. I am looking very forward in being your Math teacher this year.

As part of the IB Program here at Richards, it is required for you to complete a Math Project over the summer. This Math Project will be based on a STEM (Science, Technology, Engineering, and Math) Project of your choice from the following website, <http://stem-works.com>.

You may choose any subject you like for your STEM Project from the menu at the top of the page. When you click on your subject of choice, you will choose an activity that relates to your subject and create it.

In addition to the activity that you will choose and create, you must also include and attach a written or word processed paragraph stating the name of your project and what it is your project useful for and how your project applies to Math.

During the first full week of school, you will be presenting your STEM project to your classmates so we can all see your creativity. Your STEM Project will be due the first full week of school, starting August 12th – August 16th. I am so looking forward to seeing your finished projects and your creativity.

Please do not forget to place your name on both your STEM Project and your attached paragraph. In addition, for each day that your STEM Project is late after the due date, 10% of your final grade will be deducted.

I hope you have a great and restful summer and that you enjoy creating your STEM Project.

I look forward to meeting you,

Mrs. Ledwick

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*Please flip over to look over the rubric that will be used to grade your completed STEM Project.

The following rubric will be used to help grade your completed STEM Project and paragraph.

	20 Pts	15 Pts	10 Pts	5 Pts	Total
Problem Solving	Thorough understanding of the STEM Project is evident and shows advanced creativity (is made with a unique design)	Thorough understanding of the STEM Project is evident but does not have advanced creativity; is made with the original design		Lacks a thorough understanding of the STEM Project and is made with the original design	
Neatness	STEM Project is neat and visually appealing (lacks insignificant flaws)	STEM Project is somewhat visually appealing (has a few insignificant flaws)		STEM Project is sloppy and is not visually appealing (has several significant flaws)	
Explanation	Student thoroughly explains how their project is connected to Math and how it is useful in a written paragraph	Student thoroughly explains how their project is connected to Math or how it is useful in a written paragraph	Student explains only a small portion of their project in a written paragraph	Student does not explain any of their project in a written paragraph.	
Presentation Flow	Student presentation is complete and is told in a logical manner and is easy to follow	Student presentation is complete but is somewhat difficult to follow	Student presentation is incomplete and difficult to follow	Student presentation is incomplete and shows little to no effort	
Written Paragraph Form	Paragraph is word processed; has ≤ 5 grammatical mistakes	Paragraph is either word processed or written; has 6-10 grammatical mistakes and is easy to read	Paragraph is either word processed or written; has more than 10 grammatical mistakes	Paragraph is written but is incomplete and is difficult to understand/read	