**Vision** - St. Louis Public Schools is the district of choice for families in the St. Louis region that provides a world-class education and is nationally recognized as a leader in student achievement and teacher quality.

**Mission** - We will provide a quality education for all students and enable them to realize their full intellectual potential.

**Gateway STEM HS – Weekly Virtual Learning Planner**

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| **Teacher** | Everson, John | **Grade** | 9-12 | **Subject** | PLTW: Principles of Engineering |
| **Week of** | 8/31/20 | **Topic/Title** | Welcome back to NEW school! | | |

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| **Lesson/Topic** | **Lesson Target/Objective** | **Synchronous/Live Instruction** | **Asynchronous Playlist** | **Assessment/Performance Task** | **Due Date** |
| **Lesson 1**  **8/31 A and 9/1 B** | Introduce self, students, technology, subject, procedures | Welcome Q&A, intro PLTW as an organization, talk engineering major, discuss in person vs. online classroom conduct, expectations and procedures | Students fill out personal info surveys, create a Venn diagram compare/contrast online vs. virtual learning, review Engineering Notebook expectations and complete KWL about it for next class | Engineering notebook KWL  Venn Diagram |  |
| **Lesson 2**  **9/2 A and 9/3 B** | Define engineering careers, take self analysis of metacognition | Present careers in engineering, discuss parameters for Career interview assignment, talk about professional communication practices | “know yourself to grow yourself” metacognition activity,  Interviewing tips video list | Results of metacognition assessment,  Professional Interview |  |
| **Lesson 3**  **9/4 A and 9/8 B** | Review simple machines and learn how to solve problems for each machine using equations. | Introduce simple machines, demonstrate solving problems (algebra!) |  | Simple machines practice problems 1-8 |  |
| **Lesson 4**  **9/9 B and 9/10 A** | Finish review of simple machines and associated problems/formulas/equations | Continued from above |  | Simple machines practice probs 9-17 |  |
| **Lesson 5**  **9/11 B and 9/14 A** |  |  |  |  |  |