Honors Integer Project Rubric

	1. Standard Not Met	2. Approaching Standard	3. Standard Met	4. Exceeding Standard
7.NS.A.1 - The Number System Apply and extend previous understandings of addition and subtraction to add and subtract rational numbers; represent addition and subtraction on a horizontal or vertical number line diagram.	Struggled to understand how to add and subtract rational numbers; Struggled to understand addition and subtraction on a horizontal or vertical number line diagram.	Understood how to add and subtract rational numbers; understood addition and subtraction on a horizontal or vertical number line diagram.	Applied and extended previous understandings of addition and subtraction to add and subtract rational numbers; represented addition and subtraction on a horizontal or vertical number line diagram.	Analyzed, applied, and extended previous understandings of addition and subtraction to add and subtract rational numbers; represented and explained addition and subtraction on a horizontal or vertical number line diagram.
7.NS.A.2 - The Number System Apply and extend previous understandings of multiplication and division and of fractions to multiply and divide rational numbers.	Struggled to understand how to multiply and divide rational numbers.	Understood how to multiply and divide rational numbers.	Applied and extended previous understandings of multiplication and division and of fractions to multiply and divide rational numbers.	Analyzed, applied, and extended previous understandings of multiplication and division and of fractions to multiply and divide rational numbers.
7.NS.A.3 - The Number System Solve real-world and mathematical problems involving the four operations with rational numbers.	With support, solved problems involving the four operations with rational numbers.	Solved problems involving the four operations with rational numbers.	Solved real-world and mathematical problems involving the four operations with rational numbers.	Solved complex or advanced real-world and mathematical problems involving the four operations with rational numbers.
Communication.1 - Communication Communicate effectively, including using technology, for various purposes, and in diverse environments. 21st Century Skill	Struggled to communicate effectively. Struggled to listen to presenters and understand key points of presentations.	Communicated effectively in most situations, including using technology, for various purposes, and in diverse environments. Mostly listened effectively, understanding key points of presentations.	Communicated effectively, including using technology, for various purposes, and in diverse environments. Listened intently to speakers.	Communicated very effectively in all settings, including using technology, for various purposes, and in diverse environments. Listened intently to speakers and asked relevant and meaningful questions or provided helpful feedback.

Creativity.1 - Creativity Generate and express new ideas. Fail and learn from failures. Seek feedback on ideas. Take action on new ideas. 21st Century Skill	Generated new ideas. Struggled to continue after an unsuccessful attempt. Reluctant to hear feedback on ideas. Struggled to put new ideas into action.	Generated new ideas. Failed and continued trying. Received feedback on ideas. Started taking action on new ideas.	Generated and expressed new ideas. Failed and learned from failures. Sought feedback on ideas. Took action on new ideas.	Generated and expressed innovative ideas. Failed and used previous attempts to improve later attempts. Sought and implemented feedback on ideas. Took action on new ideas, seeing an idea to completion.
CriticalThinking.1 - Critical Thinking Use valid reasoning, good judgment, and systems thinking to form ideas or solve problems. 21st Century Skill	Struggled to identify a problem to solve. Made decisions without researching information behind a problem. Formed ideas or solutions that don't make sense based on available information.	Identified a problem to solve. Researched and asked questions to support solving the problem.	Applied valid reasoning, informed judgment, and identified a problem within a system to form ideas or solve problems.	Applied and evaluated valid reasoning, informed and unbiased judgment, and systems thinking to form ideas or solve problems.
MP.2 - Mathematical Practices Reason abstractly and quantitatively.	Represented a basic problem mathematically.	Represented a complex problem mathematically.	Reasoned abstractly and quantitatively.	Dug deeply into a problem to analyze and reason abstractly and quantitatively.
MP.4 - Mathematical Practices Model with mathematics.	Wrote an equation to describe a situation.	Applied reasoning to plan an event or solve a problem.	Made assumptions and approximations to simplify complex problems.	Analyzed complex relationships mathematically to solve problems.