ALIGNMENT TO NATIONAL STANDARDS

SCIENCE	3	4	5
Science as Inquiry			
Develop abilities necessary to do scientific inquiry.	\checkmark	\checkmark	\checkmark
Develop understanding about scientific inquiry.	\checkmark	\checkmark	\checkmark
Science and Technology			
Develop abilities to do technological design.	\checkmark	\checkmark	\checkmark
Develop understanding about science and technology.	\checkmark	\checkmark	\checkmark
History of Nature and Science			
Develop understanding of science as a human endeavor.	\checkmark	\checkmark	\checkmark
TECHNOLOGY & ENGINEERING			
Creativity and Innovation			
Apply existing knowledge to generate new ideas, products or processes.	\checkmark	\checkmark	\checkmark
Create original works as a means of personal or group expression.	\checkmark	\checkmark	\checkmark
Use models and simulations to explore complex systems and issues.	\checkmark	\checkmark	\checkmark
Research and Information Fluency			
Locate, organize, analyze, evaluate, synthesize and ethically use information from a variety of sources and media.	\checkmark	\checkmark	
Evaluate and select information sources and digital tools based on the appropriateness to specific tasks.	\checkmark	\checkmark	
Critical Thinking, Problem Solving, and Decision Making			
Identify and define authentic problems and significant questions for investigation.	\checkmark	\checkmark	\checkmark
Digital Citizenship			
Exhibit a positive attitude toward using technology that supports collaboration, learning and productivity.	\checkmark	\checkmark	



MATHEMATICS	3	4	5
Numbers and Operations			
Compute fluently and make reasonable estimates.	\checkmark	\checkmark	\checkmark
Analyze change in various contexts.	\checkmark	\checkmark	\checkmark
Geometry			
Use visualization, spatial reasoning, and geometric modeling to solve problems.		\checkmark	\checkmark
Measurement			
Understand measureable attributes of objects and the units, systems, and processes of measurement.	\checkmark	\checkmark	\checkmark
Apply appropriate techniques, tools, and formulas to determine measurements.	\checkmark	\checkmark	\checkmark
Problem Solving			
Build new mathematical knowledge through problem solving.	\checkmark	\checkmark	\checkmark
Solve problems that arise in mathematical and in other contexts.	\checkmark	\checkmark	\checkmark
Apply and adapt a variety of appropriate strategies to solve problems.	\checkmark	\checkmark	\checkmark
Communication			
Communicate mathematical thinking coherently and clearly to peers, teachers and others.	\checkmark	\checkmark	\checkmark
Analyze and evaluate the mathematical thinking and strategies of others.	\checkmark	\checkmark	\checkmark
Use the language of mathematics to express mathematical ideas precisely.	\checkmark	\checkmark	\checkmark
Connections			
Recognize and apply mathematics in contexts outside of mathematics.	\checkmark	\checkmark	\checkmark
Representation			
Use representations to model and interpret physical, social and mathematical phenomena.	\checkmark	\checkmark	\checkmark

