Science Curriculum Competencies

	The student demonstrates a initial understanding of the concepts and competencies	The student demonstrates a partial understanding of the concepts and competencies	The student demonstrates a complete understanding of the concepts and competencies	The student demonstrates a sophisticated understanding of the concepts and competencies
	Beginning	Developing	Accomplished	Exemplary
	→			
Questioning and Predicting: Ability to develop questions, predictions, and hypotheses using reasoning and prior knowledge.				
Planning and Conducting: Creation of reproducible plan showing logical steps. Controlled experiments use equipment appropriately to measure results in a safe and ethical manner.				
Processing and Analyzing: Correctly identify, represent, and draw conclusions from patterns. Critical thinking to identify reasonable data, local perspective, and account for errors.				
Evaluating: Scientific interpretation reflecting original question, hypothesis and experimental results. Reflection on investigation methods, awareness of bias or limitations, and social, ethical, environmental implications.				
Applying and Innovating: Transfer and apply learning to new situations				
Communicating: Scientific expression of ideas through writing, and using diagrams/graphs at the appropriate times. Responses have supportive evidence.				

Student Name: _____ Teacher: _____