Science 3 – 5 for use with NGSS 2013:

Physical Science: Matter and Its Interactions

Physical Properties of Matter

Students	Learning Continuum Statements:
Students:	**RIT 171-180:** • Sorts substances based on physical properties • Compares structural properties of objects to determine their suitability for a problem's solution
Students:	**RIT 181-190:** • Makes a claim about the properties of air from observations • Identifies electrical conductors and insulators from data • Sorts substances based on physical properties • Compares structural properties of objects to determine their suitability for a problem's solution • Analyzes and interprets data to predict which objects conduct electricity
Students:	**RIT 191-200:** • Sorts substances based on physical properties • Analyzes and interprets data to determine materials with properties best suited for specified purposes • Applies scientific ideas to explain changes in volume of a system • Compares structural properties of objects to determine their suitability for a problem's solution • Analyzes and interprets data to predict which objects conduct electricity
Students:	**RIT 201-210:** • Analyzes and interprets data to determine materials with properties best suited for specified purposes • Analyzes and interprets data to compare solutions to structural design problems • Analyzes and interprets data to predict which objects conduct electricity • Analyzes and interprets data to identify materials based on their properties • Defines design problems that can be solved by applying knowledge of physical properties of materials • Predicts how changes in temperature or pressure will affect the volume of gases

Students:	**RIT 211-220:** • Analyzes and interprets data to determine materials with properties best suited for specified purposes • Predicts how changes in temperature or pressure will affect the volume of gases
Students:	**RIT 221-230:** • Predicts how changes in temperature or pressure will affect the volume of gases
Students:	**RIT 231-240:** • Predicts how changes in temperature or pressure will affect the volume of gases