Fifth Grade Science Scope and Sequence

	* First Quarter		* Second Quarter	
Unifying Theme	**Motion & Design** *(STC)*		**Human Body Systems** *(Tracks)*	
Instructional Days	23 Days Days 1-23 on CMAPP		26 Days Days 24-49 on CMAPP	
Standards	5.P.1 **5.P.1.1** **5.P.1.2** **5.P.1.3** **5.P.1.4**	5.P.2 **5.P.2.2** **5.P.2.3**	5.L.1 **5.L.1.1** **5.L.1.2**	5.L.3 **5.L.3.1** **5.L.3.2**
Unit Concept	**Big Idea**: Factors such as gravity, friction, or a change in mass affect the motion of objects. **Unifying Concept**s: Evidence, Explanation, Measurement, Order, Organization, Change, Systems, Form, Function, Models		**Big Idea:** Some traits are learned while others are inherited. Inherited traits are passed from one generation to the next. The body is comprised of many systems which perform specific functions necessary for life. These systems include the respiratory, digestive, circulatory, skeletal, and muscular systems. **Unifying Concept**s: Structures and functions of living organisms	
Assessment	2 days Formative Assessment Probe & CASE Physical Science Summative Assessment		2 days Formative Assessment Probe & CASE Living Organisms & Genetics Summative Assessment	

	* Third Quarter			* Fourth Quarter		
Unifying Theme	**Investigating Weather Systems** *(Tracks)*			**Ecosystems** *(STC)*		
Instructional Days	25 Days Days 50-74 on CMAPP			21 Days Days 75-95 on CMAPP		
Standards	5.E.1 **5.E.1.1** **5.E.1.2** **5.E.1.3**	5.P.2 **5.P.2.1**	5.P.3 **5.P.3.1** **5.P.3.2**	4.L.1 **4.L.1.3**	5.L.1 **5.L.1.1** 5.L.2 **5.L.2.1** **5.L.2.2** **5.L.2.3**	5.P.3 **5.P.3.1**
Unit Concept	**Big Idea:** Weather data can be collected and used to compare weather patterns and to predict upcoming weather events. Local (NC) weather is influenced by the Jet Stream, global wind patterns, and the Gulf Stream. This unit of also includes the water cycle and a study of heat transfer. **Unifying Concept**s: Evidence, Explanation, Measurement, Order, Organization, Change, Systems, Form, Function, Models			**Big Idea:** Common ecosystems, including estuaries, oceans, lakes and ponds, forests, and grasslands, have distinct characteristics. Organisms in an ecosystem can be classified as producers, consumers, or decomposers. Humans can adapt their behavior in order to conserve natural resources (e.g., recycling). **Unifying Concept**s: Evidence, Measurement, Order, Organization, Change, Systems, Form, Function, Models		
Assessment	2 days Formative Assessment Probe & CASE Weather Summative Assessment			2 days Formative Assessment Probe & CASE Ecosystems Summative Assessment		

**** This scope and sequence reflects the WCPSS recommended sequence of science kits however, the science kits can be taught in any order based on the total number of science kits available at the school and the decision of the grade level PLT.***