DICKINSON
INDEPENDENT SCHOOL DISTRICT

Kindergarten Mathematics and Science Standards-Based Rubric

Student:	Teacher:

Possible Evidence of Indicators

Observations:
- Whole Group Instruction
- Guided Math Instruction
- Work Stations
- Independent Work
- Math Stretch
- Math Talk
- Math Share Time
- Anecdotal Data

Conversations:
- Whole Group Instruction
- Guided Math Instruction
- Guided Math Conferences
- Work Stations
- Independent Work
- Math Share Time
- Diagnostic Interviews

Products:
- Independent Work Aligned to the TEKS
- Formative Assessment Data
- District-Created Sample Assessment Items
- Team Created Common Formative Assessments
- District Created Formative Assessments
- Work Station Tasks
- Performance Tasks
- Math Journals
- Graphic Organizers
- Foldables
- Portfolios
- Self-Assessment Tasks

1st Nine Weeks

3 - Masters Standard	● Demonstrates and applies knowledge and understanding of learned concepts and skills ● Meets requirements for grade-level work ● Completes work accurately and independently
2 - Meets Standard	● Demonstrates partial knowledge and understanding of concepts and skills ● Beginning to meet requirements for grade-level work ● Requires extra time, instruction, assistance and/or practice
1 - Approaching Standard	● Demonstrates minimal knowledge and understanding of concepts and skills ● Seldom meets requirements for grade-level work ● Requires an extended amount of time, instruction, assistance and/or practice
0 - Does Not Meet Standard	● Has not made progress toward knowledge and understanding of concepts and skills ● Does not meet requirements for grade-level work ● Requires an extended amount of time, instruction, assistance and/or practice

Numbers and Operations

K.2A Counts forwards to at least 10 with objects.	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Counts forward with objects (0-10) _____Demonstrates that the last number said tells the number of objects in the set (0-10) _____Demonstrates that the last number said tells the number of objects in the set when the set is rearranged (0-10)			
K.5A Recite numbers to at least 20.	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Recites numbers up to at least 10 by ones _____Recites numbers up to at least 20 by ones _____Recites numbers up to at least 20 by ones beginning with any given number			

K.2B, K.2C, K.2D **Count, read, write, and represent numbers up to 10.**	The student demonstrates mastery of: 0-1 indicators	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3-4 indicators	The student demonstrates mastery of: 5 indicators
Anecdotal Data:	_____ Counts to 10 _____ Reads whole numbers (0-10) _____ Writes whole numbers (0-10) _____ Represents whole numbers with objects or pictures (0-10) _____ Recognize instantly the quantity of a small group of objects			
K.2E, K.2G, K.2H, K.2F **Compare numbers up to at least 10.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Compares sets of objects using comparative language up to at least 5 _____Compares sets of objects using comparative language up to at least 10 _____Compares sets of objects using comparative language past 10			
K.2E **Generates sets of numbers that are more than, less than, or equal to a given number up to 10.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Generates a set using concrete and pictorial models that represents a number that is more than a given number _____Generates a set using concrete and pictorial models that represents a number that is less than a given number _____Generates a set using concrete and pictorial models that represents a number that is equal to a given number			

Geometry 2D Shapes

K.6A **Identify 2D shapes.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1-2 indicators	The student demonstrates mastery of: 3 indicators	The student demonstrates mastery of: 4 indicators
Anecdotal Data:	_____Identifies circles _____Identifies triangles _____Identifies rectangles _____Identifies squares (special rectangles)			

K.6E, K.6D **Classify and sort 2D shapes.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Identifies attributes of two-dimensional shapes using geometric language _____Classifies and sorts a variety of regular & irregular two-dimensional shapes _____Classifies and sorts a variety of regular & irregular two-dimensional shapes regardless or orientation or size			
K.6F **Create 2D shapes.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1-2 indicators	The student demonstrates mastery of: 3 indicators	The student demonstrates mastery of: 4 indicators
Anecdotal Data:	_____Creates circles _____Creates triangles _____Creates rectangles _____Creates squares			

Science Process Standards

K.1A, K.1B, K.2A, K2B, K.2C, K.2D, K.2E, K.3A, K.3B, K.3C, K.4A, K.4B **Uses science process standards to demonstrate understanding**	The student demonstrates mastery of: 0-2 indicators	The student demonstrates mastery of: 3-5 indicators	The student demonstrates mastery of: 6-8 indicators	The student demonstrates mastery of: 9 indicators
Anecdotal Data:	_____Demonstrates safe and healthy practices during classroom and outdoor investigations _____Conserves natural resources _____Plans and conducts simple descriptive investigations _____Collects data and make observations using simple tools _____Records and organizes data using pictures, number, and words _____Communicates observations and provide reasons for explanations _____Identifes and explains a problem and propose a solution _____Use tools and models to investigate the natural world _____Measures and compares organisms and objects using non-standard units			

Matter and Energy				
K.5A, K.5B **Observe and record properties of objects**	The student demonstrates mastery of: 0-1 indicators	The student demonstrates mastery of: 2-3 indicators	The student demonstrates mastery of: 4-5 indicators	The student demonstrates mastery of: 6-7 indicators
Anecdotal Data:	_____Observe and record properties of objects by comparative size (larger and smaller) _____Observe and record properties of objects by comparative weight (heavier and lighter) _____Observe and record properties of objects by shape _____Observe and record properties of objects by color _____Observe and record properties of objects by texture _____Observe, record, and discuss how materials can be changed by heating _____Observe, record, and discuss how materials can be changed by cooling			

2nd Nine Weeks

3 - Masters Standard	• Demonstrates and applies knowledge and understanding of learned concepts and skills • Meets requirements for grade-level work • Completes work accurately and independently
2 - Meets Standard	• Demonstrates partial knowledge and understanding of concepts and skills • Beginning to meet requirements for grade-level work • Requires extra time, instruction, assistance and/or practice
1 - Approaching Standard	• Demonstrates minimal knowledge and understanding of concepts and skills • Seldom meets requirements for grade-level work • Requires an extended amount of time, instruction, assistance and/or practice
0 - Does Not Meet Standard	• Has not made progress toward knowledge and understanding of concepts and skills • Does not meet requirements for grade-level work • Requires an extended amount of time, instruction, assistance and/or practice

Numbers and Operations

K.2A Counts forwards and backwards to at least 15 with and without objects.	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Counts forward and backwards with and without objects (0-15) _____Demonstrates that the last number said tells the number of objects in the set (0-15) _____Demonstrates that the last number said tells the number of objects in the set when the set is rearranged (0-15)			
K.5A Recite numbers to at least 50.	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Recites numbers up to at least 20 by ones _____Recites numbers up to at least 50 by ones _____Recites numbers up to at least 50 by ones beginning with any given number			

K.2B, K.2C **Count, read, write, and represent numbers up to 15.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1-2 indicators	The student demonstrates mastery of: 3 indicators	The student demonstrates mastery of: 4 indicators
Anecdotal Data:	_____ Counts to 15 _____ Reads whole numbers (0-15) _____ Writes whole numbers (0-15) _____ Represents whole numbers with objects or pictures (0-15)			
K.2E, K.2G, K.2H, K.2F **Compares numbers up to at least 15.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Compares sets of objects using comparative language up to at least 10 _____Compares sets of objects using comparative language up to at least 15 _____Compares sets of objects using comparative language past 15			
K.2E **Generates sets of numbers that are more than, less than, or equal to a given number up to 15.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Generates a set using concrete and pictorial models that represents a number that is more than a given number _____Generates a set using concrete and pictorial models that represents a number that is less than a given number _____Generates a set using concrete and pictorial models that represents a number that is equal to a given number			
Geometry				
K.6A **Identify 2D shapes.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1-2 indicators	The student demonstrates mastery of: 3 indicators	The student demonstrates mastery of: 4 indicators
Anecdotal Data:	_____Identifies circles _____Identifies triangles _____Identifies rectangles _____Identifies squares (special rectangles)			

K.6E **Classify and sort 2D shapes.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Identifies attributes of two-dimensional shapes using geometric language _____Classifies and sorts a variety of regular & irregular two-dimensional shapes _____Classifies and sorts a variety of regular & irregular two-dimensional shapes regardless or orientation or size			
K.6F **Create 2D shapes.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1-2 indicators	The student demonstrates mastery of: 3 indicators	The student demonstrates mastery of: 4 indicators
Anecdotal Data:	_____Creates circles _____Creates triangles _____Creates rectangles _____Creates squares			

Compose and Decompose Numbers

K.2I **Compose and decompose numbers up to 10 with objects and pictures.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1-2 indicators	The student demonstrates mastery of: 3 indicators	The student demonstrates mastery of: 4 indicators
Anecdotal Data:	_____Composes and decomposes up to 3 _____Composes and decomposes up to 5 _____Composes and decomposes up to 7 _____Composes and decomposes up to 10			

Data Analysis

K.8A **Collect, sort, and organize data into two or three categories.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1-2 indicators	The student demonstrates mastery of: 3 indicators	The student demonstrates mastery of: 4 indicators
Anecdotal Data:	_____Collects, sorts, and organizes data by color _____Collects, sorts, and organizes data by size _____Collects, sorts, and organizes data by shape _____Collects, sorts, and organizes data into two or three categories			

K.8B, K.8C **Use data to create graphs and draw conclusions.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1-2 indicators	The student demonstrates mastery of: 3 indicators	The student demonstrates mastery of: 4 indicators
Anecdotal Data:	_____Uses data to create real-object graphs _____Draws conclusions from real-object graphs _____Uses data to create picture graphs _____Draws conclusions from picture graphs			

Science Process Standards

K.1A, K.1B, K.2A, K2B, K.2C, K.2D, K.2E, K.3A, K.3B, K.3C, K.4A, K.4B **Uses science process standards to demonstrate understanding**	The student demonstrates mastery of: 0-2 indicators	The student demonstrates mastery of: 3-5 indicators	The student demonstrates mastery of: 6-8 indicators	The student demonstrates mastery of: 9 indicators
Anecdotal Data:	_____Demonstrates safe and healthy practices during classroom and outdoor investigations _____Conserves natural resources _____Plans and conducts simple descriptive investigations _____Collects data and make observations using simple tools _____Records and organizes data using pictures, number, and words _____Communicates observations and provide reasons for explanations _____Identifes and explains a problem and propose a solution _____Use tools and models to investigate the natural world _____Measures and compares organisms and objects using non-standard units			

Matter and Energy

K.5A, K.5B **Observe and record properties of objects**	The student demonstrates mastery of: 0-1 indicators	The student demonstrates mastery of: 2-3 indicators	The student demonstrates mastery of: 4-5 indicators	The student demonstrates mastery of: 6-7 indicators
Anecdotal Data:	_____Observe and record properties of objects by comparative size (larger and smaller) _____Observe and record properties of objects by comparative weight (heavier and lighter) _____Observe and record properties of objects by shape _____Observe and record properties of objects by color _____Observe and record properties of objects by texture _____Observe, record, and discuss how materials can be changed by heating _____Observe, record, and discuss how materials can be changed by cooling			

Force, Motion and Energy				
K.6A **Use senses to explore different forms of energy such as light, thermal, and sound**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicators	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Explore light energy _____Explore thermal energy _____Explore sound energy			
K.6B, K.6C, K.6D **Explore and describe forces and motion**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicators	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Explore interactions between magnets and various materials _____Observe and describe the location of an object in relation to another (above, below, behind, in front of, and beside) _____Observe and describe the ways that objects can move (straight line, zig-zag, up and down, back and forth, round and round, and fast and slow)			

3rd Nine Weeks

3 - Masters Standard	• Demonstrates and applies knowledge and understanding of learned concepts and skills • Meets requirements for grade-level work • Completes work accurately and independently
2 - Meets Standard	• Demonstrates partial knowledge and understanding of concepts and skills • Beginning to meet requirements for grade-level work • Requires extra time, instruction, assistance and/or practice
1 - Approaching Standard	• Demonstrates minimal knowledge and understanding of concepts and skills • Seldom meets requirements for grade-level work • Requires an extended amount of time, instruction, assistance and/or practice
0 - Does Not Meet Standard	• Has not made progress toward knowledge and understanding of concepts and skills • Does not meet requirements for grade-level work • Requires an extended amount of time, instruction, assistance and/or practice

Numbers and Operations

K.2A Counts forwards and backwards to at least 20 with and without objects.	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Counts forward and backwards with and without objects (0-20) _____Demonstrates that the last number said tells the number of objects in the set (0-20) _____Demonstrates that the last number said tells the number of objects in the set when the set is rearranged (0-20)			
K.5A Recite numbers to at least 80.	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Recites numbers up to at least 50 by ones _____Recites numbers up to at least 80 by ones _____Recites numbers up to at least 80 by ones beginning with any given number			

K.2B, K.2C Count, read, write, and represent numbers up to 20.	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1-2 indicators	The student demonstrates mastery of: 3 indicators	The student demonstrates mastery of: 4 indicators
Anecdotal Data:	_____Counts to 20 _____Reads whole numbers (0-20) _____Writes whole numbers (0-20) _____Represents whole numbers with objects or pictures (20)			
K.2E, K.2G, K.2H, K.2F Compares numbers up to at least 20.	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Compares sets of objects using comparative language up to at least 15 _____Compares sets of objects using comparative language up to at least 20 _____Compares sets of objects using comparative language past 20			
K.2E Generates sets of numbers that are more than, less than, or equal to a given number up to 20.	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Generates a set using concrete and pictorial models that represents a number that is more than a given number _____Generates a set using concrete and pictorial models that represents a number that is less than a given number _____Generates a set using concrete and pictorial models that represents a number that is equal to a given number			
Geometry 2D Shapes				
K.6A Identify 2D shapes.	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1-2 indicators	The student demonstrates mastery of: 3 indicators	The student demonstrates mastery of: 4 indicators
Anecdotal Data:	_____Identifies circles _____Identifies triangles _____Identifies rectangles _____Identifies squares (special rectangles)			

K.6E **Classify and sort 2D shapes.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Identifies attributes of two-dimensional shapes using geometric language _____Classifies and sorts a variety of regular & irregular two-dimensional shapes _____Classifies and sorts a variety of regular & irregular two-dimensional shapes regardless of orientation or size.			
K.6F **Create 2D shapes.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1-2 indicators	The student demonstrates mastery of: 3 indicators	The student demonstrates mastery of: 4 indicators
Anecdotal Data:	_____Creates circles _____Creates triangles _____Creates rectangles _____Creates squares			

Compose and Decompose Numbers

K.2I **Compose and decompose numbers up to 10 with objects and pictures.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1-2 indicators	The student demonstrates mastery of: 3 indicators	The student demonstrates mastery of: 4 indicators
Anecdotal Data:	_____Composes and decomposes up to 3 _____Composes and decomposes up to 5 _____Composes and decomposes up to 7 _____Composes and decomposes up to 10			

Data Analysis

K.8A **Collect, sort, and organize data into two or three categories.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1-2 indicators	The student demonstrates mastery of: 3 indicators	The student demonstrates mastery of: 4 indicators
Anecdotal Data:	_____Collects, sorts, and organizes by color _____Collects, sorts, and organizes by size _____Collects, sorts, and organizes by shape _____Collects, sorts, and organizes data into two or three categories			

K.8B, K.8C **Use data to create graphs and draw conclusions.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1-2 indicators	The student demonstrates mastery of: 3 indicators	The student demonstrates mastery of: 4 indicators
Anecdotal Data:	_____Uses data to create real-object graphs _____Draws conclusions from real-object graphs _____Uses data to create picture graphs _____Draws conclusions from picture graphs			

Addition				
K.3A **Model the action of joining to represent addition.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Models the action of joining to represent addition (0-5) _____Models the action of joining to represent addition (0-10) _____Models the action of joining to represent addition (sums greater than 10)			
K.3B **Solve addition word problems using objects and drawings.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Solves word problems using objects to find sums (0-5) _____Solves word problems using objects to find sums (0-10) _____Solves word problems using drawings to find sums (0-10)			
K.3C **Explain strategies to solve addition problems using words, concrete or picture models, and number sentences.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Explains strategies used to solve problems involving adding using spoken words _____Explains strategies used to solve problems involving adding using models _____Explains strategies used to solve problems involving adding using number sentences			

Geometry 3D Shapes

K.6B Identify 3D solids.	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1-2 indicators	The student demonstrates mastery of: 3 indicators	The student demonstrates mastery of: 4 indicators
Anecdotal Data:	_____Identifies cylinders in the real world _____Identifies cones in the real world _____Identifies spheres in the real world _____Identifies cubes in the real world			
K.6C, K.6E Classify and sort 3D solids.	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Identifies two-dimensional components of three-dimensional solids _____Classifies and sorts a variety of regular & irregular three-dimensional solids regardless of orientation or size _____Classifies and sorts a variety of regular & irregular three-dimensional figures using geometric attributes, such as faces, edges, vertices, curved or flat surfaces			

Science Process Standards

K.1A, K.1B, K.2A, K2B, K.2C, K.2D, K.2E, K.3A, K.3B, K.3C, K.4A, K.4B Uses science process standards to demonstrate understanding	The student demonstrates mastery of: 0-2 indicators	The student demonstrates mastery of: 3-5 indicators	The student demonstrates mastery of: 6-8 indicators	The student demonstrates mastery of: 9 indicators
Anecdotal Data:	_____Demonstrates safe and healthy practices during classroom and outdoor investigations _____Conserves natural resources _____Plans and conducts simple descriptive investigations _____Collects data and make observations using simple tools _____Records and organizes data using pictures, number, and words _____Communicates observations and provide reasons for explanations _____Identifes and explains a problem and propose a solution _____Use tools and models to investigate the natural world _____Measures and compares organisms and objects using non-standard units			

Matter and Energy

K.5A, K.5B **Observe and record properties of objects**	The student demonstrates mastery of: 0-1 indicators	The student demonstrates mastery of: 2-3 indicators	The student demonstrates mastery of: 4-5 indicators	The student demonstrates mastery of: 6-7 indicators
Anecdotal Data:	_____Observe and record properties of objects by comparative size (larger and smaller) _____Observe and record properties of objects by comparative weight (heavier and lighter) _____Observe and record properties of objects by shape _____Observe and record properties of objects by color _____Observe and record properties of objects by texture _____Observe, record, and discuss how materials can be changed by heating _____Observe, record, and discuss how materials can be changed by cooling			

Force, Motion and Energy

K.6A **Use senses to explore different forms of energy such as light, thermal, and sound**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicators	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Explore light energy _____Explore thermal energy _____Explore sound energy			
K.6B, K.6C, K.6D **Explore and describe forces and motion**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicators	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Explore interactions between magnets and various materials _____Observe and describe the location of an object in relation to another (above, below, behind, in front of, and beside) _____Observe and describe the ways that objects can move (straight line, zig-zag, up and down, back and forth, round and round, and fast and slow)			

Earth and Space

K.7A, K.7B, K.7C **Sort rocks and natural**	The student demonstrates mastery of:	The student demonstrates mastery of:	The student demonstrates mastery of:	The student demonstrates mastery of:

sources of water by physical characteristics and give examples of how they are useful	0-1 indicators	2-3 indicators	4-6 indicators	7 indicators
Anecdotal Data:	_____Observe and describe rocks by size, shape, color and texture _____Sort rocks by size, _____Sort rocks by shape _____Sort rocks by color _____Sort rocks by texture _____Observe and describe physical properties of natural sources of water including color and clarity _____Give examples of ways rocks, soil, and water are useful			
K.8A, K.8B **Observe and describe how weather changes from day to day and over the seasons**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicators	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Observe and describe weather changes from day to day _____Observe and describe weather changes over seasons _____Identify events that have repeating patterns including seasons of the year			
K.8B, K.8C **Observe, describe, and illustrate objects in the day and night sky**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicators	The student demonstrates mastery of: 2-3 indicators	The student demonstrates mastery of: 4 indicators
Anecdotal Data:	_____Observe, describe, and illustrate objects in the sky such as clouds _____Observe, describe, and illustrate objects in the sky such as the moon _____Observe, describe, and illustrate objects in the sky such as stars including the Sun _____Identify events that have repeating patterns including day and night			

4th Nine Weeks

3 - Masters Standard	- Demonstrates and applies knowledge and understanding of learned concepts and skills - Meets requirements for grade-level work - Completes work accurately and independently
2 - Meets Standard	- Demonstrates partial knowledge and understanding of concepts and skills - Beginning to meet requirements for grade-level work - Requires extra time, instruction, assistance and/or practice
1 - Approaching Standard	- Demonstrates minimal knowledge and understanding of concepts and skills - Seldom meets requirements for grade-level work - Requires an extended amount of time, instruction, assistance and/or practice
0 - Does Not Meet Standard	- Has not made progress toward knowledge and understanding of concepts and skills - Does not meet requirements for grade-level work - Requires an extended amount of time, instruction, assistance and/or practice

Numbers and Operations

K.2A **Counts forwards and backwards to at least 20 with and without objects.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Counts forward and backwards with and without objects (0-20) _____Demonstrates that the last number said tells the number of objects in the set (0-20) _____Demonstrates that the last number said tells the number of objects in the set when the set is rearranged (0-20)			
K.5A **Recite numbers to at least 100.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Recites numbers up to at least 80 by ones _____Recites numbers up to at least 100 by ones _____Recites numbers up to at least 100 by ones beginning with any given number			

K.2B, K.2C Count, read, write, and represent numbers up to 20.	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1-2 indicators	The student demonstrates mastery of: 3 indicators	The student demonstrates mastery of: 4 indicators
Anecdotal Data:	_____Counts to 20 _____Reads whole numbers (0-20) _____Writes whole numbers (0-20) _____Represents whole numbers with objects or pictures (20)			
K.2E, K.2G, K.2H, K.2F Compares numbers up to at least 20.	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Compares sets of objects using comparative language up to at least 15 _____Compares sets of objects using comparative language up to at least 20 _____Compares sets of objects using comparative language past 20			
K.2E Generates sets of numbers that are more than, less than, or equal to a given number up to 20.	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Generates a set using concrete and pictorial models that represents a number that is more than a given number _____Generates a set using concrete and pictorial models that represents a number that is less than a given number _____Generates a set using concrete and pictorial models that represents a number that is equal to a given number			
Geometry 2D Shapes				
K.6A Identify 2D shapes.	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1-2 indicators	The student demonstrates mastery of: 3 indicators	The student demonstrates mastery of: 4 indicators
Anecdotal Data:	_____Identifies circles _____Identifies triangles _____Identifies rectangles _____Identifies squares (special rectangles)			

K.6E **Classify and sort 2D shapes.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Identifies attributes of two-dimensional shapes using geometric language _____Classifies and sorts a variety of regular & irregular two-dimensional shapes _____Classifies and sorts a variety of regular & irregular two-dimensional shapes regardless or orientation or size			
K.6F **Create 2D shapes.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1-2 indicators	The student demonstrates mastery of: 3 indicators	The student demonstrates mastery of: 4 indicators
Anecdotal Data:	_____Creates circles _____Creates triangles _____Creates rectangles _____Creates squares			

Compose and Decompose Numbers

K.2I **Compose and decompose numbers up to 10 with objects and pictures.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1-2 indicators	The student demonstrates mastery of: 3 indicators	The student demonstrates mastery of: 4 indicators
Anecdotal Data:	_____Composes and decomposes up to 3 _____Composes and decomposes up to 5 _____Composes and decomposes up to 7 _____Composes and decomposes up to 10			

Data Analysis

K.8A **Collect, sort, and organize data into two or three categories.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1-2 indicators	The student demonstrates mastery of: 3 indicators	The student demonstrates mastery of: 4 indicators
Anecdotal Data:	_____Collects, sorts, and organizes by color _____Collects, sorts, and organizes by size _____Collects, sorts, and organizes by shape _____Collects, sorts, and organizes data into two or three categories			

K.8B, K.8C **Use data to create graphs and draw conclusions.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1-2 indicators	The student demonstrates mastery of: 3 indicators	The student demonstrates mastery of: 4 indicators
Anecdotal Data:	_____Uses data to create real-object graphs _____Draws conclusions from real-object graphs _____Uses data to create picture graphs _____Draws conclusions from picture graphs			

Addition

K.3A **Model the action of joining to represent addition.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Models the action of joining to represent addition (0-5) _____Models the action of joining to represent addition (0-10) _____Models the action of joining to represent addition (sums greater than 10)			
K.3B **Solve addition word problems using objects and drawings.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Solves word problems using objects to find sums (0-5) _____Solves word problems using objects to find sums (0-10) _____Solves word problems using drawings to find sums (0-10)			
K.3C **Explain strategies to solve addition problems using words, concrete or picture models, and number sentences.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Explains strategies used to solve problems involving adding using spoken words _____Explains strategies used to solve problems involving adding using models _____Explains strategies used to solve problems involving adding using number sentences			

Geometry 3D Shapes

K.6B Identify 3D solids.	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1-2 indicators	The student demonstrates mastery of: 3 indicators	The student demonstrates mastery of: 4 indicators
Anecdotal Data:	_____Identifies cylinders in the real world _____Identifies cones in the real world _____Identifies spheres in the real world _____Identifies cubes in the real world			
K.6C, K.6E Classify and sort 3D solids.	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Identifies two-dimensional components of three-dimensional solids _____Classifies and sorts a variety of regular & irregular three-dimensional solids regardless of orientation or size _____Classifies and sorts a variety of regular & irregular three-dimensional figures using geometric attributes, such as faces, edges, vertices, curved or flat surfaces			

Subtraction

K.3A Model the action of separating to represent subtraction.	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Models the action of separating to represent subtraction (0-5) _____Models the action of separating to represent subtraction (0-10) _____Models the action of separating to represent subtraction (differences greater than 10)			
K.3B Solve subtraction word problems using objects and drawings.	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Solves word problems using objects to find differences (0-5) _____Solves word problems using objects to find differences (0-10) _____Solves word problems using drawings to find differences (0-10)			

K.3C **Explain strategies to solve subtraction problems using words, concrete or picture models, and number sentences.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Explains strategies used to solve problems involving subtracting using spoken words _____Explains strategies used to solve problems involving subtracting using models _____Explains strategies used to solve problems involving subtracting using number sentences			

Coins

K.4A **Identify coins by name.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1-2 indicators	The student demonstrates mastery of: 3 indicators	The student demonstrates mastery of: 4 indicators
Anecdotal Data:	_____Identifies a penny by name _____Identifies a nickel by name _____Identifies a dime by name _____Identifies a quarter by name			

Measurement

K.7A **Gives an example of a measurable attribute.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Gives length as an example of a measurable attribute of a given object _____Gives capacity as an example of a measurable attribute of a given object _____Gives weight as an example of a measurable attribute of a given object			

K.7B **Compare objects by a common measurable attribute.**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicator	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Compares the length of two objects (longer than/shorter than) and describes the difference _____Compares the capacity of two objects (holds more/holds less) and describes the difference _____Compares the weight of two objects (weighs more/weighs less) and describes the difference			

Science Process Standards				
K.1A, K.1B, K.2A, K2B, K.2C, K.2D, K.2E, K.3A, K.3B, K.3C, K.4A, K.4B **Uses science process standards to demonstrate understanding**	The student demonstrates mastery of: 0-2 indicators	The student demonstrates mastery of: 3-5 indicators	The student demonstrates mastery of: 6-8 indicators	The student demonstrates mastery of: 9 indicators
Anecdotal Data:	_____Demonstrates safe and healthy practices during classroom and outdoor investigations _____Conserves natural resources _____Plans and conducts simple descriptive investigations _____Collects data and make observations using simple tools _____Records and organizes data using pictures, number, and words _____Communicates observations and provide reasons for explanations _____Identifes and explains a problem and propose a solution _____Use tools and models to investigate the natural world _____Measures and compares organisms and objects using non-standard units			

Matter and Energy				
K.5A, K.5B **Observe and record properties of objects**	The student demonstrates mastery of: 0-1 indicators	The student demonstrates mastery of: 2-3 indicators	The student demonstrates mastery of: 4-5 indicators	The student demonstrates mastery of: 6-7 indicators
Anecdotal Data:	_____Observe and record properties of objects by comparative size (larger and smaller) _____Observe and record properties of objects by comparative weight (heavier and lighter) _____Observe and record properties of objects by shape _____Observe and record properties of objects by color _____Observe and record properties of objects by texture _____Observe, record, and discuss how materials can be changed by heating _____Observe, record, and discuss how materials can be changed by cooling			

Force, Motion and Energy

K.6A **Use senses to explore different forms of energy such as light, thermal, and sound**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicators	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Explore light energy _____Explore thermal energy _____Explore sound energy			
K.6B, K.6C, K.6D **Explore and describe forces and motion**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicators	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Explore interactions between magnets and various materials _____Observe and describe the location of an object in relation to another (above, below, behind, in front of, and beside) _____Observe and describe the ways that objects can move (straight line, zig-zag, up and down, back and forth, round and round, and fast and slow)			

Earth and Space

K.7A, K.7B, K.7C **Sort rocks and natural sources of water by physical characteristics and give examples of how they are useful**	The student demonstrates mastery of: 0-1 indicators	The student demonstrates mastery of: 2-3 indicators	The student demonstrates mastery of: 4-6 indicators	The student demonstrates mastery of: 7 indicators
Anecdotal Data:	_____Observe and describe rocks by size, shape, color and texture _____Sort rocks by size, _____Sort rocks by shape _____Sort rocks by color _____Sort rocks by texture _____Observe and describe physical properties of natural sources of water including color and clarity _____Give examples of ways rocks, soil, and water are useful			

K.8A, K.8B **Observe and describe how weather changes from day to day and over the seasons**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicators	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Observe and describe weather changes from day to day _____Observe and describe weather changes over seasons _____Identify events that have repeating patterns including seasons of the year			
K.8B, K.8C **Observe, describe, and illustrate objects in the day and night sky**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicators	The student demonstrates mastery of: 2-3 indicators	The student demonstrates mastery of: 4 indicators
Anecdotal Data:	_____Observe, describe, and illustrate objects in the sky such as clouds _____Observe, describe, and illustrate objects in the sky such as the moon _____Observe, describe, and illustrate objects in the sky such as stars including the Sun _____Identify events that have repeating patterns including day and night			

Organisms and Environments

K.9A, K.9B **Differentiate between living and nonliving**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1-2 indicators	The student demonstrates mastery of: 3-4 indicators	The student demonstrates mastery of: 5 indicators
Anecdotal Data:	_____Desctibe the characteristics of living organisms _____Describe the characteristics of nonliving things _____Differentiate between living and nonliving things _____Examine evidence that animals have basic needs (food, water, and shelter) _____Examine evidence that plants have basic needs (air, water, nutrients, sunlight, and space)			
K.10A, K.10B **Identify physical characteristics of animals and plants**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1-2 indicators	The student demonstrates mastery of: 3-4 indicators	The student demonstrates mastery of: 5 indicators
Anecdotal Data:	_____Identify the basic parts of animals (head, eyes, mouth, nose, and limbs) _____Sort animals into groups based on physical characteristics (color, size, number of limbs, body covering, locomotion) _____Identify traits that are shared by a group of animals (birds, fish, mammals, reptiles, amphibians, and insects) _____Identify the basic parts of plants (roots, steam, leaves, flowers, fruits, seeds) _____Sort plants into groups based on physical characteristics (color, size, leaf shape, seeds)			

K.10C, K.10D **Observe the life cycle of a plant**	The student demonstrates mastery of: 0 indicators	The student demonstrates mastery of: 1 indicators	The student demonstrates mastery of: 2 indicators	The student demonstrates mastery of: 3 indicators
Anecdotal Data:	_____Identify that young plants resemble parent plants _____Observe changes that are part of a simple life cycle of a plant (seed, seedling, plant, flower, and fruit) _____identify the order of the steps in a simple life cycle of a plant			