

Pre-Kindergarten Number & Operations

Number & Operations - Standard 1: Understands and applies concepts of number and operations

Power Benchmark 1: Understands numbers, ways of representing numbers, relationships among numbers and number systems

Grade Level Benchmark	Vocabulary	Skills
a: Count with understanding and recognize “how many” in sets of objects ITBS*	<input type="checkbox"/> Numbers to 5 <input type="checkbox"/> Count <input type="checkbox"/> Match <input type="checkbox"/> Order <input type="checkbox"/> Groups <input type="checkbox"/> Forward <input type="checkbox"/> Backwards	<input type="checkbox"/> Counts forward to at least 10 (ITBS) 6.1.1, 6.1.2, 6.1.3, 6.1.4, 6.2.1, 6.2.2, 6.3.1, 8.1.1, 8.2.1, 12.2.1, 12.2.4 <input type="checkbox"/> Rote counts to 4 6.1.3, 6.1.4, 8.1.1, 8.2.1, <input type="checkbox"/> Rote counts to 5 6.1.3, 6.1.4, 6.2.1, 9.1.1, <input type="checkbox"/> Rote counts to 10 12.2.1 <input type="checkbox"/> Counts using 1:1 correspondence 8.1.2, 8.1.3, 8.1.4, 8.2.2, 8.2.3, 8.2.4, 8.2.5, 6.1.2, 6.1.3, 6.1.4, 6.2.2, 6.2.4, 6.2.5, 6.3.2, 6.3.4, 6.3.5, 9.1.2, 9.1.3, 9.1.4, 9.1.5, 9.2.2, 9.2.3, 9.2.4, 9.2.5, 12.2.3, 12.2.4, 12.2.5 <input type="checkbox"/> Matches quantity to numbers 6.3.2, 6.3.4, 6.3.5, 8.1.4, 8.1.5, 9.1.4, 9.1.5, 9.2.3 <input type="checkbox"/> Orders numbers 12.2.5 <input type="checkbox"/> Counts to find the number of objects or pictorial items in a group (ITBS) 6.1.5, 6.2.2, 6.2.4, 6.3.2, 6.3.4, 8.1.3, 8.2.2, 8.2.5, 9.1.2, 9.1.3, 9.2.2, 9.2.3, 9.2.4, 12.2.3 <input type="checkbox"/> Counts forward to at least 10 (ITBS) 6.1.1, 6.1.2, 6.1.3, 6.1.4, 6.2.1, 6.2.2, 6.3.1, 8.1.1, 8.2.1, 12.2.1, 12.2.4 <input type="checkbox"/> Counts backward from 5 9.2.1
b: Uses multiple models to develop understandings of the number system ITBS*	<input type="checkbox"/> Numbers To 10	<input type="checkbox"/> Reads numbers in print to at least 5 - (ITBS) 6.2.3, 6.2.5, 6.3.2, 6.3.4, 6.3.5, 8.1.4, 8.1.5, 9.1.4, 9.1.5, 9.2.3, 12.2.2 <input type="checkbox"/> Represents the numbers 1 – 5 using concrete materials or drawings 6.1.5, 6.3.3, <input type="checkbox"/> Matches a group of objects or pictures to a given number 6.2.5, 6.3.2, 6.3.4, 6.3.5, 8.1.4, 8.1.5, 8.2.4, 9.1.4, 9.1.5, 9.2.3, 9.2.5, 12.2.2
c: Develops understanding of the relative position and magnitude of whole numbers and of ordinal and cardinal numbers and their connections ITBS*	<input type="checkbox"/> Compare <input type="checkbox"/> One more <input type="checkbox"/> One less <input type="checkbox"/> 1st to 3 rd <input type="checkbox"/> Last <input type="checkbox"/> Group <input type="checkbox"/> Less Than <input type="checkbox"/> More Than <input type="checkbox"/> Same As	<input type="checkbox"/> Compares sets using objects (ITBS) <input type="checkbox"/> Compares the size of the groups 5.1.1, 5.1.2, 5.1.3, 5.1.4, 5.1.5, 5.2.5 <input type="checkbox"/> Identifies ordinal position 1st to 3 rd and last (ITBS) 12.1.1, 12.1.2, 12.1.3, 12.1.4, 12.1.5, <input type="checkbox"/> Compares and orders quantities 6.2.3, 6.3.5, 10.2.2, 10.2.3, 10.2.4, 10.3.1, 10.3.2, 10.3.3, 10.3.4, 10.3.5 <input type="checkbox"/> Says the numbers in order 6.1.1, 6.1.2, 6.1.3, 6.1.4, 6.2.1, 6.2.2, 6.3.1, 8.1.1, 8.2.1, 12.2.1, 12.2.4

Number & Operations - Standard 1: Understands and applies concepts of number and operations			
Power Benchmark 1: Understands numbers, ways of representing numbers, relationships among numbers and number systems			
Grade Level Benchmark	Vocabulary	Skills	
d: Develops a sense of whole numbers and represents and uses them in flexible ways *	<input type="checkbox"/> Numbers to 10	<input type="checkbox"/> Begins to form numerals to 5- 6.3.3 <input type="checkbox"/> Represents numbers in a variety of ways 6.1.5	
e: Connects number words and numerals to the quantities they represent	<input type="checkbox"/> Number names	<input type="checkbox"/> Recognizes the numerals 0 – 5: 6.2.3, 6.2.5, 6.3.2, 6.3.4, 6.3.5, 8.1.4, 8.1.5, 9.1.4,9.1.5, 9.2.3 <input type="checkbox"/> Recognizes numerals to 10 – 12.2.2	
Power Benchmark 2: Understands meanings of operations and how they relate to one another.			
a: Understands various meanings of addition and subtraction of whole numbers and the relationships between the two operations	<input type="checkbox"/> Add <input type="checkbox"/> All <input type="checkbox"/> Combine <input type="checkbox"/> Take away <input type="checkbox"/> Equal <input type="checkbox"/> Join <input type="checkbox"/> Total <input type="checkbox"/> Together	<input type="checkbox"/> Describes a quantity as 2 groups 8.1.2, 8.2.5, 9.1.3, 12.2.3, 12.2.4 <input type="checkbox"/> Shows the parts of a total in different ways 8.2.5, 9.2.2, 12.2.3 <input type="checkbox"/> Solves simple joining problems 8.2.2, 8.2.5, 9.2.4, 12.2.4 <input type="checkbox"/> Solves simple separating problems 8.2.2, 9.2.4, 12.2.4	
b: Understands the effects of adding whole numbers	<input type="checkbox"/> Add <input type="checkbox"/> Join <input type="checkbox"/> Total <input type="checkbox"/> Equal	<input type="checkbox"/> Combines 2 groups 8.1.2, 8.2.5, 9.1.3, 12.2.3, 12.2.4 <input type="checkbox"/> Finds the result when objects are separated from a group 8.2.2, 9.2.4, 12.2.4 <input type="checkbox"/> Combines groups and count to find the total (to 6) 8.1.2, 8.2.5, 9.1.3, 12.2.3 <input type="checkbox"/> Solve simple separating problems 8.2.2, 9.2.4, 12.2.4	
Power Benchmark 3: Computes fluently and makes reasonable estimates			
a: Develops and uses strategies for whole number computations with a focus on addition ITBS	<input type="checkbox"/> Add <input type="checkbox"/> Total <input type="checkbox"/> Number	<input type="checkbox"/> Shows 4 in two different ways 8.1.2, 12.2.4 <input type="checkbox"/> Shows 5 in two different ways 9.1.3 12.2.4 <input type="checkbox"/> Shows 6 in two different ways 12.2.3, 12.2.4 <input type="checkbox"/> Introducing part-to-part total 8.2.5	

Number & Operations - Standard 1: Understands and applies concepts of number and operations

Power Benchmark 3: Computes fluently and makes reasonable estimates

Grade Level Benchmark	Vocabulary	Skills
<p>b: Develops fluency with basic number combinations for addition ITBS</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Find or use a pattern <input type="checkbox"/> Make a chart, table, graph or organized list <input type="checkbox"/> Problem <input type="checkbox"/> Solve <input type="checkbox"/> More Than <input type="checkbox"/> One More <input type="checkbox"/> One Less <input type="checkbox"/> Less Than <input type="checkbox"/> Heavy <input type="checkbox"/> Light <input type="checkbox"/> Compare 	<ul style="list-style-type: none"> <input type="checkbox"/> Shows 4-6 in two different ways 8.1.2, 9.1.3, 12.2.3, 12.2.4 <input type="checkbox"/> Introducing part-to-part total 8.2.5 <input type="checkbox"/> Graphs groups of like objects 4.2.5, 9.1.4 <input type="checkbox"/> Explores the concepts of more and less 10.1.5, 10.2.1, 10.2.2, 10.2.3, 10.2.4, 10.2.5, 10.3.1, 10.3.2, 10.3.3, 10.3.4, 10.3.5 <input type="checkbox"/> Explores the concepts of heavy and light 10.1.1, 10.1.2, 10.1.3, 10.1.4, 10.1.5 <input type="checkbox"/> Explores and reads patterns 7.1.1, 7.1.2, 7.1.3, 7.1.4, 7.2.2, 7.2.3, 7.2.4, 11.2.3, 11.2.4 <input type="checkbox"/> Describes and creates patterns 7.1.5, 7.2.1, 7.2.5, 11.2.2, 11.2.5

Algebra

Algebra – Standard 2: Understands and applies concepts of algebra and functions

Power Benchmark 1: Understands patterns, relations and functions

<p>c: Sorts, classifies and orders objects by at least one attribute</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Same <input type="checkbox"/> Not the same <input type="checkbox"/> Sort <input type="checkbox"/> Belong <input type="checkbox"/> Different <input type="checkbox"/> Group <input type="checkbox"/> Big <input type="checkbox"/> Bigger <input type="checkbox"/> Biggest <input type="checkbox"/> Small <input type="checkbox"/> Short <input type="checkbox"/> Long <input type="checkbox"/> Tall <input type="checkbox"/> Wide <input type="checkbox"/> Narrow <input type="checkbox"/> Thick <input type="checkbox"/> Thin <input type="checkbox"/> Night <input type="checkbox"/> Day 	<ul style="list-style-type: none"> <input type="checkbox"/> Recognizes and explores colors as properties to classify objects 1.1.1, 1.1.2, 1.1.3, 1.1.4, 1.1.5, 1.2.4, 1.2.5 <input type="checkbox"/> Recognizes and explores shapes as properties to classify objects 3.2.1, 3.2.2, 3.2.5, 3.2.4, 11.1.2, 11.1.3, 11.1.5 <input type="checkbox"/> Recognizes and explores textures as properties to classify objects 1.2.1, 1.2.2, 1.2.5 <input type="checkbox"/> Recognizes and explores sounds as properties to classify objects 1.2.3 <input type="checkbox"/> Sorts, classifies and orders by type or kind 4.1.1, 4.1.2, 4.1.3, 4.1.4, 4.1.5, 4.2.1, 4.2.2, 4.2.3, 4.2.4 <input type="checkbox"/> Graphing by one attribute 4.2.5, 9.1.4 <input type="checkbox"/> Sorts, classifies and orders objects by size 2.1.1, 2.1.2, 2.1.3, 2.1.4, 2.1.5, 2.2.1, 2.2.2, 2.2.3, 2.2.4, 2.2.5, 2.3.1, 2.3.2, 2.3.3, 2.3.4, 2.3.5, 5.1.1, 5.1.2, 5.1.3, 5.1.4, 5.1.5, <input type="checkbox"/> Sorts, classifies and orders events by time 5.2.1, 5.2.2, 5.2.3, 5.2.4, 5.2.5 <input type="checkbox"/> Describes the way in which an object's measure has changed 10.1.4, 10.1.5, 10.2.1, 10.2.2, 10.2.4, 10.2.5
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Algebra - Standard 2: Understands and applies concepts of algebra and functions

Power Benchmark 1: Understands patterns, relations and functions

Grade Level Benchmark	Vocabulary	Skills
<p>a: Recognizes, describes and extends patterns and translates from one representation to another</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Pattern <input type="checkbox"/> Left <input type="checkbox"/> Right <input type="checkbox"/> Before <input type="checkbox"/> After <input type="checkbox"/> Next <input type="checkbox"/> Between <input type="checkbox"/> Repeat <input type="checkbox"/> Continue 	<ul style="list-style-type: none"> <input type="checkbox"/> Explores and reads patterns 7.1.1, 7.1.2, 7.1.3, 7.1.4, 7.2.2, 7.2.3, 7.2.4, 11.2.3, 11.2.4 <input type="checkbox"/> Describes and creates patterns 7.1.5, 7.2.1, 7.2.5, 11.2.2, 11.2.5
<p>b. Analyzes how both repeating and growing patterns are generated</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Pattern 	<ul style="list-style-type: none"> <input type="checkbox"/> Identifies patterns 7.1.1, 7.1.2, 7.1.3, 7.1.4, 7.2.2, 7.2.3, 7.2.4, 11.2.3, 11.2.4 <input type="checkbox"/> Extends or repeats patterns 7.1.5, 7.2.5, 11.2.1, 11.2.5

Power Benchmark 3: Uses mathematical models to represent and understand quantitative relationships

<p>a: Model situations that involve the addition of whole numbers using objects and pictures ITBS</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Addition 	<ul style="list-style-type: none"> <input type="checkbox"/> Shows 4 in two different ways 8.1.2, 12.2.4 <input type="checkbox"/> Shows 5 in two different ways 9.1.3 12.2.4 <input type="checkbox"/> Shows 6 in two different ways 12.2.3, 12.2.4 <input type="checkbox"/> Introducing part-to-part total 8.2.5
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Power Benchmark 4: Analyzes change in a variety of situations

<p>a: Describes qualitative change</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Alike <input type="checkbox"/> Not alike <input type="checkbox"/> Belong <input type="checkbox"/> Group <input type="checkbox"/> Sort <input type="checkbox"/> Size <input type="checkbox"/> Shape <input type="checkbox"/> Color <input type="checkbox"/> Sound <input type="checkbox"/> Texture 	<ul style="list-style-type: none"> <input type="checkbox"/> Recognizes and explores colors as properties to classify objects GWM 1.1.1, 1.1.2, 1.1.3, 1.1.4, 1.1.5, 1.2.4, 1.2.5 <input type="checkbox"/> Recognizes and explores shapes as properties to classify objects 3.2.1, 3.2.2, 3.2.5, 3.2.4, 11.1.2, 11.1.3, 11.1.5 <input type="checkbox"/> Recognizes and explores textures as properties to classify objects 1.2.1, 1.2.2, 1.2.5 <input type="checkbox"/> Recognizes and explores sounds as properties to classify objects 1.2.3 <input type="checkbox"/> Sorts, classifies and orders by type or kind 4.1.1, 4.1.2, 4.1.3, 4.1.4, 4.1.5, 4.2.1, 4.2.2, 4.2.3, 4.2.4 <input type="checkbox"/> Graphing by one attribute 4.2.5, 9.1.4
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Algebra - Standard 2: Understands and applies concepts of algebra and functions

Power Benchmark 4: Analyzes change in a variety of situations

Grade Level Benchmark	Vocabulary	Skills
<p>b: Describes quantitative change</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Tall <input type="checkbox"/> Taller <input type="checkbox"/> Short <input type="checkbox"/> Long <input type="checkbox"/> More than <input type="checkbox"/> Less than <input type="checkbox"/> Wide <input type="checkbox"/> Narrow <input type="checkbox"/> Thick <input type="checkbox"/> Thin <input type="checkbox"/> Big <input type="checkbox"/> Bigger <input type="checkbox"/> Biggest 	<ul style="list-style-type: none"> <input type="checkbox"/> Sorts, classifies and orders objects by size 2.1.1, 2.1.2, 2.1.3, 2.1.4, 2.1.5, 2.2.1, 2.2.2, 2.2.3, 2.2.4, 2.2.5, 2.3.1, 2.3.2, 2.3.3, 2.3.4, 2.3.5, 5.1.1, 5.1.2, 5.1.3, 5.1.4, 5.1.5, <input type="checkbox"/> Sorts, classifies and orders events by time 5.2.1, 5.2.2, 5.2.3, 5.2.4, 5.2.5 <input type="checkbox"/> Describes the way in which an object's measure has changed 10.1.4, 10.1.5, 10.2.1, 10.2.2, 10.2.4, 10.2.5

Geometry

Geometry - Standard 3: Understands and applies concepts of geometry

Power Benchmark 1: Analyzes characteristics and properties of two- and three-dimensional geometric shapes and develops mathematical arguments about geometric relationships

<p>a: Recognizes, names, builds, compares and sorts two- and three-dimensional shape ITBS *</p>	<ul style="list-style-type: none"> <input type="checkbox"/> 3D shapes <input type="checkbox"/> 2D shapes <input type="checkbox"/> Shape <input type="checkbox"/> Circle <input type="checkbox"/> Square <input type="checkbox"/> Triangle <input type="checkbox"/> Sphere <input type="checkbox"/> Cube <input type="checkbox"/> Cone <input type="checkbox"/> Cylinder 	<ul style="list-style-type: none"> <input type="checkbox"/> Identifies and names 3D shapes 3.2.1, 3.2.2, 3.2.3, 3.2.4, 3.2.5 (ITBS) <input type="checkbox"/> Identifies and names 2D shapes 11.1.1, 11.1.2, 11.1.3, 11.1.4, 11.1.5(ITBS) <input type="checkbox"/> Identifies the number of sides in a triangle and square 8.2.3, 11.1.5 <input type="checkbox"/> Sorts and classifies shapes 11.1.2, 11.1.5
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Geometry - Standard 3: Understands and applies concepts of geometry

Power Benchmark 1: Analyzes characteristics and properties of two- and three-dimensional geometric shapes and develops mathematical arguments about geometric relationships

Grade Level Benchmark	Vocabulary	Skills	
<p>a: Describes attributes and parts of two- and three-dimensional shapes ITBS*</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Compare <input type="checkbox"/> Same <input type="checkbox"/> Not the same <input type="checkbox"/> Different <input type="checkbox"/> Size <input type="checkbox"/> Color <input type="checkbox"/> Sides <input type="checkbox"/> Corner <input type="checkbox"/> Round <input type="checkbox"/> Flat <input type="checkbox"/> Curved <input type="checkbox"/> Straight <input type="checkbox"/> Pointed <input type="checkbox"/> Roll 	<ul style="list-style-type: none"> <input type="checkbox"/> Construct 3-D shapes with objects <input type="checkbox"/> Describes the attributes of 2-D shapes 8.2.3, 11.1.5 <input type="checkbox"/> Describes the attributes of 3-D shapes 3.2.2, 3.2.3, 3.2.4, <input type="checkbox"/> Compares 3-D shapes to pictures and real life objects 3.2.1, 3.2.4, 3.2.5 	

Power Benchmark 2: Specifies locations and describes spatial relationships using coordinate geometry and other representational systems

<p>a: Describes, names, interprets, and applies ideas about relative positions in space</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Front <input type="checkbox"/> Back <input type="checkbox"/> Over <input type="checkbox"/> Under <input type="checkbox"/> High <input type="checkbox"/> Low <input type="checkbox"/> Near <input type="checkbox"/> Far <input type="checkbox"/> Going Through <input type="checkbox"/> In & Out <input type="checkbox"/> Above & Below <input type="checkbox"/> Around <input type="checkbox"/> On <input type="checkbox"/> Between <input type="checkbox"/> Next To <input type="checkbox"/> Up & Down <input type="checkbox"/> Inside <input type="checkbox"/> Outside <input type="checkbox"/> In Front Of <input type="checkbox"/> In Back Of 	<ul style="list-style-type: none"> <input type="checkbox"/> Identifies the position of an object 3.1.1, 3.1.2, 3.1.3, 3.1.4, 3.1.5 	
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Geometry – Standard 3: Understands and applies concepts of geometry			
Power Benchmark 2: Specifies locations and describes spatial relationships using coordinate geometry and other representational systems			
Grade Level Benchmark	Vocabulary	Skills	
a: Describes, names, interprets, and applies ideas about directions and distance in navigating space	<input type="checkbox"/> In Front Of <input type="checkbox"/> Above <input type="checkbox"/> Below <input type="checkbox"/> In Back Of	<input type="checkbox"/> Follows a one-step direction to show understanding of positional vocabulary 3.1.2, 3.1.3	
Power Benchmark 4: Use visualization, spatial reasoning and geometric modeling to solve problems			
a: Creates mental images of geometric shapes using spatial memory and spatial visualization ITBS	<input type="checkbox"/> Circle <input type="checkbox"/> Square <input type="checkbox"/> Triangle <input type="checkbox"/> Rectangle <input type="checkbox"/> Diamond <input type="checkbox"/> Heart <input type="checkbox"/> Star <input type="checkbox"/> Sphere <input type="checkbox"/> Cube <input type="checkbox"/> Cone <input type="checkbox"/> Cylinder	<input type="checkbox"/> Describes complex shapes in terms of common shapes that make them up (ITBS) <input type="checkbox"/> Completes a pattern made of geometric shapes (ITBS)	
b: Recognizes and represents shapes from different perspectives	<input type="checkbox"/> Circle <input type="checkbox"/> Square <input type="checkbox"/> Triangle <input type="checkbox"/> Rectangle <input type="checkbox"/> Diamond <input type="checkbox"/> Heart <input type="checkbox"/> Star	<input type="checkbox"/> Identifies and names shapes in books and the classroom 3.2.1, 3.2.4, 3.2.5	
c: Relates ideas in geometry to ideas in number and measurement	<input type="checkbox"/> Sides	<input type="checkbox"/> Identifies the number of sides in a triangle and square 8.2.3, 11.1.5	
d: Recognizes geometric shapes and structures in the environment and specify their location	<input type="checkbox"/> Circle <input type="checkbox"/> Square <input type="checkbox"/> Triangle <input type="checkbox"/> Rectangle <input type="checkbox"/> Diamond <input type="checkbox"/> Heart <input type="checkbox"/> Star <input type="checkbox"/> Sphere <input type="checkbox"/> Cube <input type="checkbox"/> Cone <input type="checkbox"/> Cylinder	<input type="checkbox"/> Identifies and names 2D and 3D shapes in the classroom, hallway and on the playground 3.2.1, 3.2.4, 3.2.5	

Measurement

Measurement – Standard 4: Understands and applies concepts of measurement

Power Benchmark 1: Understands measurable attributes of objects and the units, systems, and processes of measurement

Grade Level Benchmark	Vocabulary	Skills	
<p>a: Describes the attributes of length, volume, weight and time</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Length <input type="checkbox"/> Time <input type="checkbox"/> Heavy <input type="checkbox"/> Heavier <input type="checkbox"/> Light <input type="checkbox"/> Lighter <input type="checkbox"/> Longer <input type="checkbox"/> Longest <input type="checkbox"/> Shorter <input type="checkbox"/> Shortest <input type="checkbox"/> Taller <input type="checkbox"/> Tallest <input type="checkbox"/> Full <input type="checkbox"/> Empty <input type="checkbox"/> Smaller <input type="checkbox"/> Bigger <input type="checkbox"/> Biggest <input type="checkbox"/> Small <input type="checkbox"/> Short <input type="checkbox"/> Wider <input type="checkbox"/> Widest <input type="checkbox"/> Narrower <input type="checkbox"/> Narrowest <input type="checkbox"/> Thicker <input type="checkbox"/> Thickest <input type="checkbox"/> Thinner <input type="checkbox"/> Thinnest <input type="checkbox"/> Day <input type="checkbox"/> Night <input type="checkbox"/> Morning <input type="checkbox"/> Afternoon <input type="checkbox"/> Breakfast <input type="checkbox"/> Lunch <input type="checkbox"/> Dinner <input type="checkbox"/> After <input type="checkbox"/> Next <input type="checkbox"/> Then <input type="checkbox"/> Today <input type="checkbox"/> Tomorrow <input type="checkbox"/> Yesterday <input type="checkbox"/> Days of the Week 	<ul style="list-style-type: none"> <input type="checkbox"/> Describes attributes of length and weight 2.1.1, 2.1.2, 2.1.3, 2.1.4, 2.1.5, 2.2.1, 2.2.2, 2.2.3, 2.2.4, 2.2.5, 2.3.1, 2.3.2, 2.3.3, 2.3.4, 2.3.5, 5.1.1, 5.1.2, 5.1.3, 5.1.4, 5.1.5, 10.1.1, 10.1.2, 10.1.3, 10.1.4, 10.1.5 <input type="checkbox"/> Describes the attributes of capacity and volume 10.2.1, 10.2.2, 10.2.3, 10.2.4, 10.2.5 <input type="checkbox"/> Describes the attributes of time 5.2.1, 5.2.2, 5.2.3, 5.2.4, 5.2.5 	

Measurement – Standard 4: Understands and applies concepts of measurement

Power Benchmark 1: Understands measurable attributes of objects and the units, systems, and processes of measurement

Grade Level Benchmark	Vocabulary	Skills	
<p>b: Compares and orders objects according to their measurable attributes ITBS</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Length <input type="checkbox"/> Time <input type="checkbox"/> Heavy <input type="checkbox"/> Heavier <input type="checkbox"/> Light <input type="checkbox"/> Lighter <input type="checkbox"/> Longer <input type="checkbox"/> Longest <input type="checkbox"/> Shorter <input type="checkbox"/> Shortest <input type="checkbox"/> More <input type="checkbox"/> Less <input type="checkbox"/> Many <input type="checkbox"/> Fewer <input type="checkbox"/> Same <input type="checkbox"/> Taller <input type="checkbox"/> Tallest <input type="checkbox"/> Full <input type="checkbox"/> Empty <input type="checkbox"/> Smaller <input type="checkbox"/> Bigger <input type="checkbox"/> Biggest <input type="checkbox"/> Small <input type="checkbox"/> Height <input type="checkbox"/> Short <input type="checkbox"/> Wider <input type="checkbox"/> Widest <input type="checkbox"/> Narrower <input type="checkbox"/> Narrowest <input type="checkbox"/> Thicker <input type="checkbox"/> Thickest <input type="checkbox"/> Thinner <input type="checkbox"/> Thinnest <input type="checkbox"/> Day <input type="checkbox"/> Night <input type="checkbox"/> Morning <input type="checkbox"/> Afternoon <input type="checkbox"/> Breakfast <input type="checkbox"/> Lunch <input type="checkbox"/> Dinner <input type="checkbox"/> After <input type="checkbox"/> Next <input type="checkbox"/> Then <input type="checkbox"/> Today <input type="checkbox"/> Tomorrow <input type="checkbox"/> Yesterday <input type="checkbox"/> Days of the Week 	<ul style="list-style-type: none"> <input type="checkbox"/> Builds structures or creates body structures to demonstrate measurable attributes 2.3.1, 2.3.2, 2.3.4 <input type="checkbox"/> Describes and orders simple events 5.2.1, 5.2.2, 5.2.3, 5.2.4, 5.2.5 <input type="checkbox"/> Counts & places units in five frames 9.2.4 <input type="checkbox"/> Compares and orders objects according to length, capacity, volume and weight 2.1.1, 2.1.2, 2.1.3, 2.1.4, 2.1.5, 2.2.1, 2.2.2, 2.2.3, 2.2.4, 2.2.5, 2.3.1, 2.3.2, 2.3.3, 2.3.4, 2.3.5, 5.1.1, 5.1.2, 5.1.3, 5.1.4, 5.1.5, 10.1.1, 10.1.2, 10.1.3, 10.1.4, 10.1.5, 10.2.1, 10.2.2, 10.2.3, 10.2.4, 10.2.5 (ITBS) 	

Measurement – Standard 4: Understands and applies concepts of measurement

Power Benchmark 1: Understands measurable attributes of objects and the units, systems, and processes of measurement

Grade Level Benchmark	Vocabulary	Skills	
<p>c: Measures using nonstandard units</p>	<ul style="list-style-type: none"> <input type="checkbox"/> More <input type="checkbox"/> Less <input type="checkbox"/> Same <input type="checkbox"/> Heavier <input type="checkbox"/> Lighter <input type="checkbox"/> Heavy <input type="checkbox"/> Light <input type="checkbox"/> Full <input type="checkbox"/> Empty <input type="checkbox"/> Big <input type="checkbox"/> Small <input type="checkbox"/> Long <input type="checkbox"/> Short <input type="checkbox"/> Tall <input type="checkbox"/> Wide <input type="checkbox"/> Narrow <input type="checkbox"/> Thick <input type="checkbox"/> Thin 	<ul style="list-style-type: none"> <input type="checkbox"/> Models more and less 5.1.3, 5.1.4, 10.2.2, 10.3.3, 10.3.4, 10.3.5, <input type="checkbox"/> Models heavy and light or heavier and lighter 10.1.1, 10.1.2, 10.1.3, 10.1.4, 10.1.5 <input type="checkbox"/> Models full and empty 10.2.1, 10.2.4, 10.2.5 <input type="checkbox"/> Models big and small 2.1.1, 2.1.2, 2.1.3, 2.1.4, 2.1.5 <input type="checkbox"/> Models long, short and tall 2.2.1, 2.2.2, 2.2.3, 2.2.4, 2.2.5 <input type="checkbox"/> Models wide, narrow, thick and thin 2.3.1, 2.3.2, 2.3.4, 	

Power Benchmark 2: Applies appropriate techniques, tools and formulas to determine measurements

<p>a: Measures with multiple copies of units of the same size</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Calendar <input type="checkbox"/> Days of the week <input type="checkbox"/> Months of the year <input type="checkbox"/> Before <input type="checkbox"/> After <input type="checkbox"/> Today <input type="checkbox"/> Yesterday <input type="checkbox"/> Tomorrow <input type="checkbox"/> Morning <input type="checkbox"/> Afternoon <input type="checkbox"/> Evening 	<ul style="list-style-type: none"> <input type="checkbox"/> Place events in sequence, such as before and after, first, and last 12.1.1, 12.1.2, 12.1.3, 12.1.4, 12.1.5 <input type="checkbox"/> Explore time in everyday life 5.2.1, 5.2.2, 5.2.3, 5.2.4 <input type="checkbox"/> Use the time of day to describe when activities occur 5.2.1, 5.2.2, 5.2.3, 5.2.4 <input type="checkbox"/> Describes that all living things grow and change over time 5.2.5 	
<p>b : Measures using tools ITBS *</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Measure <input type="checkbox"/> Scale <input type="checkbox"/> Temperature 	<ul style="list-style-type: none"> <input type="checkbox"/> Measures weather using pictures GS.13, GS.14, GS.15 <input type="checkbox"/> Measures heavy and light objects using a scale 10.1.5 <input type="checkbox"/> Measures capacity, volume, height and weight using non-standard units 2.2.3, 10.1.5, 10.2.1, 10.2.2, 10.2.4, 10.2.5 <input type="checkbox"/> Finds and compares the volume, capacity, height and weight using non-standard units 2.2.3, 10.1.5, 10.2.1, 10.2.2, 10.2.4, 10.2.5 (ITBS) 	

Data Analysis & Probability

Data Analysis & Probability - Standard 5: Understands and applies concepts of data analysis and probability

Power Benchmark 1: Formulates questions that can be addressed with data and collects, organizes, and displays relevant data to answer them

Grade Level Benchmark	Vocabulary	Skills
a: Gathers data to answer questions	<input type="checkbox"/> Graph <input type="checkbox"/> Chart <input type="checkbox"/> Sort <input type="checkbox"/> Group <input type="checkbox"/> Compare <input type="checkbox"/> Before <input type="checkbox"/> After <input type="checkbox"/> Next <input type="checkbox"/> More <input type="checkbox"/> Less <input type="checkbox"/> Fewer <input type="checkbox"/> Same	<input type="checkbox"/> Uses manipulatives to make graphs 4.2.5, 9.1.4 <input type="checkbox"/> Sorts, classifies, compares and represents data 4.1.2, 4.1.3, 4.1.4, 4.1.5, 4.2.1, 4.2.3, 4.2.4, 4.2.5, 5.1.1, 5.1.2, 5.1.3, 5.1.4, 5.1.5, 6.1.5, 9.1.4, 9.1.5, 9.2.4, 10.3.3, 12.1.2, 12.1.3, 12.1.4, 12.1.5
b: Sorts and classifies objects according to their attributes and organizes data about the objects	<input type="checkbox"/> Sort <input type="checkbox"/> Group	<input type="checkbox"/> Sorts, classifies and orders by type or kind 4.1.1, 4.1.2, 4.1.3, 4.1.4, 4.1.5, 4.2.1, 4.2.2, 4.2.3, 4.2.4 <input type="checkbox"/> Sorts, classifies and orders objects by size 2.1.1, 2.1.2, 2.1.3, 2.1.4, 2.1.5, 2.2.1, 2.2.2, 2.2.3, 2.2.4, 2.2.5, 2.3.1, 2.3.2, 2.3.3, 2.3.4, 2.3.5, 5.1.1, 5.1.2, 5.1.3, 5.1.4, 5.1.5, <input type="checkbox"/> Sorts, classifies and orders events by time 5.2.1, 5.2.2, 5.2.3, 5.2.4, 5.2.5
Power Benchmark 2: Selects and uses appropriate statistical methods to analyze data		
a: Represents data using concrete objects, pictures and graphs	<input type="checkbox"/> Graph	<input type="checkbox"/> Graphing by one attribute 4.2.5, 9.1.4

Data Analysis & Probability – Standard 5: Understands and applies concepts of data analysis and probability

Power Benchmark 2: Selects and uses appropriate statistical methods to analyze data

b: Describes parts of the data and the set of data as a whole to determine what the data show	<input type="checkbox"/> More <input type="checkbox"/> Less	<input type="checkbox"/> Compares groups of objects using the terminology more and less 10.3.2, 10.3.3, 10.3.4, 10.3.5
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