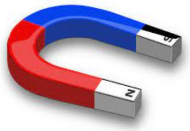
Maths and Science Curriculum Overview 2025-26

Nursery						
Maths Overview						
	Autumn 1	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
	The Family Book	The Very Hungry Caterpillar	Anansi the Spider	Rosie's Walk	We're Going on a Bear Hunt	Jack and the Beanstalk
Recap for retention	5-minute daily starter exercise of 'Flashback 4': Essential skills are regularly revisited and retrieved to strengthen retention. Consolidation Week at the end of each half term: Pupils can consolidate learning from the 'Blocks' covered in the half term.					
Areas	More Than, Fewer Than, Same Explore and Build with Shapes and Objects Explore Repeats Hear and Say Number Names	Begin to Order Number Names I See 1, 2, 3 Join in With Repeats Explore Position and Space	Show Me 1, 2, 3 Move and Label 1, 2, 3 Explore Position and Routes Explore Patterns	Take and Give 1, 2, 3 Match, Talk, Push and Pull Talk about Dots Compare and Sort Collections	Lead on Own Repeats Start toPuzzle Making Patterns Together Make Games and Actions	Show Me 5 My Own Pattern Stop at 1, 2, 3, 4, 5 Match, Sort and Compare
Science Overview						
	Autumn 1	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
Area	Seasonal change: summer to autumn	Planting root vegetables and caring for them	Materials and their differences Senses Jobs and occupations	Materials and their differences Jobs and occupations	Forces Different countries and comparisons to the U.K.	Forces Local area
						
Now Press Play	People who help us		Three little pigs		Minibeast	
Nursery Conceptual Application:						

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Skill	Numbering & Counting	Counting 1 more or Less	Weight and capacity	Time of day (routines)	Placing Numbers	Number
Knowledge	How many people are in your family?	Counting leaves on a tree	Which is heavier? What holds more?	When do you need to water a plant?	How many legs/ dots on wings?	Counting how many foot steps for a hard or gentle push?

Reception						
Maths Overview						
	Autumn 1	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
	Little Red Riding Hood	The Gingerbread Man	Handa's Surprise	Supertato	Not Quite Narwhal	Shark in the Park
Mental Maths	Count reliably to 20.		Order numbers 1-20 Say 1 more/1 less to 20		Know doubles to 10 Add and subtract two single digit numbers	
Recap for retention	5-minute daily starter exercise of 'Flashback 4': Essential skills are regularly revisited and retrieved to strengthen retention. Consolidation Week at the end of each half term: Pupils can consolidate learning from the 'Blocks' covered in the half term.					
Areas	Getting to Know You Match, Sort and Compare Talk about Measure and Patterns It's Me 1,2,3	Circles and Triangles 1,2,3,4,5 Shapes with Four Sides	Alive in 5 Mass and Capacity Growing 6 7, 8 Length, Height and Time	Making pairs Building 9 and 10 Explore 3D Shapes	To 20 and Beyond How Many Now? Manipulate, Compose and Decompose	Sharing and Grouping Visualise, Build and Map Make Connections
Science Overview						
	Autumn 1	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
Area	Seasonal Changes	Materials (making playdough)	Seasonal Changes Plants Life cycles	Animals including Humans Life cycles (Chick) Materials	Habitats	Seasonal Changes Materials Floating & Sinking

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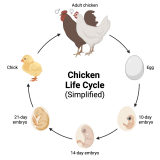
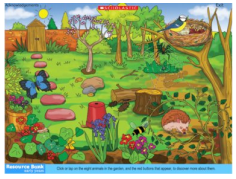
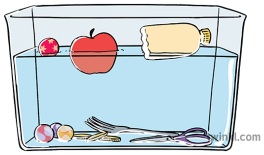
		Mapping school and immediate environment Cooking		Healthy Foods		
						
Now Press Play	Weather	Gingerbread man	Seaside			
Reception Conceptual Application:						
Skill	Exploring patterns	Circles and triangles	Measurement	Time	Number	Measure
Knowledge	Patterns of leaves	Playdough making shapes and patterns	Which is the taller tree?	Which is older?	How many different insects live in the habitat?	What will float? What will sink? Ordering capacity?

Year 1						
Maths Overview						
	Autumn 1	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
Times Tables	Count in 2, 5 and 10s. Recall and use all doubles to 10 and corresponding halves.					
Mental Maths	Add within 5 Subtract within 5 Add and subtract within 5 Number bonds to 10 Adding within 10 Subtract within 10 Add and subtract 1 to a 2 digit number		Number bonds to 20 Counting in 2, 5 and 10's Know halves of even numbers to 20 Know doubles to 10 Add and subtract 10 to a 2 digit number Add 3 single digit numbers together		Subtract any 1 digit number from any 2 digit number Add any 1 digit number to any 2 digit number Finding how many 'sets of' a smaller number make a bigger number Recognise ½ and ¼ of an object, shape or quantity Use language of day, week, month and year. Tell time to hour and half past.	
Recap for retention	5-minute daily starter exercise of 'Flashback 4': Essential skills are regularly revisited and retrieved to strengthen retention. Consolidation Week at the end of each half term: Pupils can consolidate learning from the 'Blocks' covered in the half term.					

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Areas	**Number:** Place Value (within 10) **Number:** Addition and Subtraction (within 10)	**Number:** Addition and Subtraction (within 10) **Geometry**: Shape	**Number:** Place Value (within 20) **Number:** Addition and Subtraction (within 20)	**Number:** Place Value (within 50) **Measurement** -Length and Height **Measurement** – Mass and Volume	**Number:** Multiplication and Division **Number:** Fractions **Geometry**: Position and Direction	**Number**: Place Value (within 100) **Measurement:** Money Measurement: Time
National Curriculum	**Place Value** **Addition & Subtraction**	**Addition & Subtraction** **Geometry**	**Place Value** **Addition & Subtraction**	**Place Value** **Measurement**	**Multiplication & Division** **Fractions** **Geometry**	**Place Value** **Measurement**
Science Overview						
	Autumn 1	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
Area	Seasonal changes and daily weather Introduce Plants – (trees) Animals, including humans		Everyday materials Revisit 1: Animals, including humans		Plants Revisit 2: Plants, Animals including humans (or alternative focus for insecure knowledge)	
						
Love 2 Investigate	Does it snow in Summer? (seasonal)	Why do we have teeth?	What keeps us dry?	What is camouflage for? (Animals)	Can you be a superhero? (Materials)	What is in a bud? (Plants)
Now Press Play	Seasons	Healthy Living		Humans		Plants
Year 1 Conceptual Application:						
Skill	Place Value (within 10)	Geometry	Measurement	Measurement	Measurement	Measurement
Knowledge	How many days/months?	Why are your teeth different shapes? Compare	Compare the weight of various materials	Complete the pictogram. How many safari animals can you see?	Coordinates Map Reading North South East West	Can you measure the plant?

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Year 2						
Maths Overview						
	Autumn 1	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
Times Tables	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.					
Mental Maths	Count on and back in ones and tens from any given 2 – digit number Know all the pairs of numbers to 10, 12 and pairs with total of 20 Add two or three single digit numbers Say 10 more/less than any number to 100 Add and subtract multiples of 10 to any give 2-digit number Add and subtract multiples of 10 to any give 2-digit number		Learn 2x, 5x, and 10x table (looking at lots of) Double numbers up to 20 Using fingers, say where a given number is in the 2s, 5s or 10s count (e.g. 8 is the fourth number when I count in twos Count in 2s, 5s, and 10s Subtract any pair of 2-digit numbers by counting back in tens and ones or by counting up		Begin to double two-digit numbers less than 50 with digits of 1,2,3,4 or 5 Double and begin to halve numbers to 40 and multiples of 10 and 100 Halve/Double numbers to 20 Relate division to grouping (how many groups of five in fifteen) Tell time to five minutes, including quarter past/to Recognise ½ ,1/3, 2/4, ¾ of a shape, quantity or object	
Recap for retention	5-minute daily starter exercise of 'Flashback 4': Essential skills are regularly revisited and retrieved to strengthen retention. Consolidation Week at the end of each half term: Pupils can consolidate learning from the 'Blocks' covered in the half term.					
Areas	**Number:** Place Value Number: Addition and Subtraction	Number: Addition and Subtraction Geometry - Shape	Measurement – Money Number – Multiplication and Division	Measurement: Length and Height Measurement – Mass, Capacity and Temperature	Number - Fractions Measurement - Time	Statistics Geometry – Position and Direction
National Curriculum	**Place Value** **Addition & Subtraction**	**Addition & Subtraction** **Geometry**	**Measurement** **Number**	**Measurement**	**Number** **Measurement**	**Statistics** **Geometry**
Science Overview						

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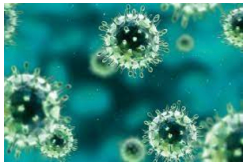
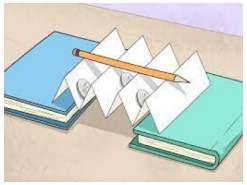
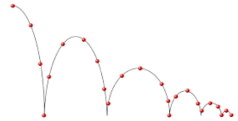
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Area	Living things and their habitats Animals, including humans		Uses of everyday materials Revisit Living things and their habitats / materials		Plants Revisit Living things and their habitats / Animals, including humans	
						
Love 2 Investigate	Why should I exercise (Animals and Humans)	How do germs spread (animals including humans)	Can you make a paper bridge? (use of everyday materials) How do plants grow in Winter? (seasonal changes)	Do all balls bounce (Everyday Materials)	Can seeds grow anywhere (plants)	Where do worms like to live? (Living things in habitats)
Now Press Play	Animals		Everyday materials			Habitats
Year 2 Conceptual Application:						
Skill	Addition and subtraction	Multiplication & Division	Statistics	Geometry	Measurement	Statistics
Knowledge	How many beats per minute?	How quickly do germs spread?	Complete a tally chart of jumps...	Will a large ball bounce higher than a small ball?	How long does it take for a seed to grow?	How many worms are in each place?

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Year 3						
Maths Overview						
	Autumn 1	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
Times Tables	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.					
Mental Maths	Use place value and number facts to add and subtract numbers Subtract by counting up Learn to count in 3's and 4's and know the 3x and 4x table. Add and subtract any two digit numbers by counting on in 10s and 1s or by using partitioning Perform place value subtractions without a struggle (536-30=506) Know multiples of 10 with a total of 100 Know pairs with each total to 20		Find 10 or 100 more/less than a given number. Count on in 50's from 0 Subtract, when appropriate, by counting back or taking away, using place value and number facts Learn to count in 9's and 8's and begin to learn 9x and 8x table Add and subtract pairs of 'friendly' 3 digit numbers, e.g. 230 +450 Partition teen numbers to multiply by a single digit number (3 x 14 as 3 x10 and (3x4)		Recognise fractions that add to 1. (e.g. ¼ +3/4) Halve even numbers up to 100, halve add numbers to 20. Double numbers up to 50 Tell the time to the nearest minute using 12 and 24 hour clocks, know the number of days in a month. Begin to learn to count in 6's, 7's and 8's. Begin to know the 6x, 7x and 8x tables	
Recap for retention	5-minute daily starter exercise of 'Flashback 4': Essential skills are regularly revisited and retrieved to strengthen retention. Consolidation Week at the end of each half term: Pupils can consolidate learning from the 'Blocks' covered in the half term.					
Areas	**Number**: Place Value **Number**: Addition and Subtraction	**Number:** Addition and Subtraction **Number:** Multiplication and Division	**Number:** Multiplication and Division **Measurement:** Length and Perimeter	**Number:** Fractions **Measurement:** Mass and Capacity	**Number:** Fractions **Measurement:** Money **Measurement:** Time	**Geometry:** Shape **Statistics**
National Curriculum	**Place Value** **Addition & Subtraction**	**Addition & Subtraction** **Multiplication & Division**	**Multiplication & Division** **Measurement**	**Fractions** **Measurement**	**Fractions** **Measurement**	**Geometry** **Statistics**
Science Overview						

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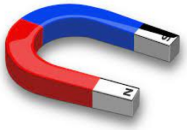
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Area	Rocks Animals, including humans Revisit Rocks (or alternative focus for insecure knowledge)		Forces and magnets Plants		Plants continued… Light	
						
Love 2 Investigate	What is soil? (Rocks)	How do fossils form? (Fossils)	Can you block magnetism?	What are flowers for? (Plants)	Is it safe to eat?	Why do cat's eyes glow at night?
Now Press Play			Forces	Plants		
Year 3 Conceptual Application:						
Skill	Bar charts, pictograms and tables.	Measurement	Statistics	Measurement Area & Perimeter	Measurement Mass & Capacity	
Knowledge	Create a table of rock/soil types	Distance travelled on different surfaces (friction)	Compare statistical links in food chains. What would change?	How big would a flower bed need to be?	Problem solving recipe	

Year 4						
Maths Overview						
	Autumn 1	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
Times Tables	Recall and use multiplication and division facts for multiplication tables up to 12 x 12.					
Mental Maths	Find 1000 more/less than a given number. Add and subtract £1, 10p and 1p to amounts of money. Know the 3x and 4x table. Apply and investigate. Know associated division facts. Know by heart, quickly derive number bonds to 100 and £1		Multiply mentally one digit by two digit numbers Count in 6's and 7's. Know 6x and 7x tables and relevant division facts Find change from £10, £20 and £50 Count in multiples of 25 Count up/down in hundredths		Begin to double and halve amounts of money (£35.60 doubles = £71.20) Count in 8's, 9's and 11's, Know 8x, 9x and 11 x tables and relevant division facts Partition 2-digit numbers to multiply by a single –digit number mentally (4 x 24 as 4 x 20 and 4 x 4)	

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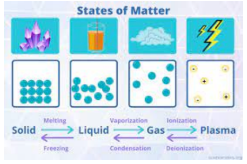
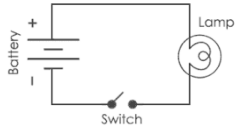
	Add and subtract any two 2 digit numbers by partitioning or counting on Read Roman numerals to 100. Multiply and Divide by 10 and 100		Divide multiples of 100 by 1-digit numbers using division facts (3200 ÷ 8= 400)		Use understanding of place value and number facts in mental multi and division (36 x 5 is half of 36 x 10 and 50 x 60 = 3000 or 245 ÷20 is double 245 ÷ 10) Read and compare and convert between analogue/digital 12/24 hour clocks.	
Recap for retention	5-minute daily starter exercise of 'Flashback 4': Essential skills are regularly revisited and retrieved to strengthen retention. Consolidation Week at the end of each half term: Pupils can consolidate learning from the 'Blocks' covered in the half term.					
Areas	Number: Place Value Number: Addition and Subtraction	Measurement: Area Number: Multiplication and Division	Number: Multiplication and Division Measurement: Length and Perimeter	Number: Fractions Number: Decimals	Number: Decimals Measurement: Money Measurement: Time	Consolidation Geometry: Shape Statistics Geometry – Position and Direction
National Curriculum	**Place Value** **Addition & Subtraction**	**Measurement** **Multiplication & Division**	**Multiplication & Division** **Measurement**	**Fractions** **Decimals**	**Decimals** **Measurement**	**Geometry**
Science Overview						
	Autumn 1	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
Area	Living things and their habitats States of matter		Animals, including humans		Electricity Sound	
						
Love 2 Investigate	Are all liquids runny?	How does pollution affect habitats?	How does toothpaste protect teeth?		Can you make a circuit from playdough?	How far can sound travel?
Now Press Play	Materials and changing state				Electricity	
Year 4 Conceptual Application:						

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Skill	Measure capacity / weight	Ratios	Bar charts, pictograms and tables.	Statistics	Statistics	Time
Knowledge	Measure volumes of liquids, weight of cloth before and after as measure of evaporation	Compare water to fairy liquid	Analyse and present data	Create a table of litter in the local community	Use venn diagrams to sort	How long does it take for sound to travel?

Year 5						
Maths Overview						
	Autumn 1	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
Times Tables	Revision of all times tables and division facts up to 12 x 12.					
Mental Maths	Use place value and number facts to add two or more friendly numbers including money and decimals (e.g. 3+4+8+6+7, 0.6+0.4+0.7) Read Roman numerals to 1000. Count in 11's and 12's and learn the 11x and 12x table Add to the next 10 from a decimal number (e.g 13.6 + 6.4 =20). Know number bonds to 1 and to the next whole number		Use doubling and halving as mental division/multi strategies (58 x 5 = half of 58 x 10) Use knowledge of factors and multiples in multiplication e.g (43 x 6 is double 43 x 3 and 28 x 50 is half of 28 x 100 = 1400) Identify all multiples and factors including finding all factor pairs. Know 3x,4x,6x,8x tables. Apply and extend Know square numbers and square roots up to 144. Recall prime numbers up to 19		Count up/down in thousands Use knowledge of multiples and factors, test for divisibility (246 ÷ 6 = 123 ÷ 3) Double and halve money by partitioning (Half of £75.40 = Half of £75 (37.50) plus half of 40p) Know 7x and 9x tables. Apply and extend Add and subtract decimal numbers which are near multiples of 1 or 10 including money (e.g £6.34-1.99 or £34.59-£19.95)	
Recap for retention	5-minute daily starter exercise of 'Flashback 4': Essential skills are regularly revisited and retrieved to strengthen retention. Consolidation Week at the end of each half term: Pupils can consolidate learning from the 'Blocks' covered in the half term.					
Areas	**Number:** Place Value **Number:** Addition and Subtraction	**Number:** Multiplication and Division **Number** – Fractions	**Number:** Multiplication and Division **Number**: Fractions	**Number:** Decimals and Percentages **Measurement –** Perimeter and Area **Statistics**	**Geometry:** Shape **Geometry** – Position and Direction **Number:** Decimals	**Number:** Negative numbers **Measurement:** Converting units **Measurement:** Volume
National Curriculum	**Place Value**	**Multiplication & Division**	**Multiplication & Division**	**Number**	**Geometry**	**Number**

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	Addition & Subtraction	Fractions	Fractions	Measurement Statistics	Number	Measurement
Science Overview						
	Autumn 1	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
Area	Properties and changes of materials Animals, including humans		Forces (Gravity and Galileo) Earth in space		Living things and their habitats Forces (continued)	
						
Love 2 Investigate	How clean are your hands?	Can we track the sun?	Do we slow down as we get older?	Why are zip wires so fast?	How do worms reproduce?	
Now Press Play		Mission to Mars		Forces		
Year 5 Conceptual Application:						
Skill	Statistics	Measurement & Divide by powers of ten	Number	Number	Statistics	
Knowledge	Present results in tables and graphs; calculating the mean of their results.	Converting units of measurement.	Can you use a scale when using data?	What is the average?	Plot data in a graph	

Year 6						
Maths Overview						
	Autumn 1	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
Times Tables	Revision of all times tables and division facts up to 12 x 12.					
Mental Maths	Add two 1-place decimal numbers or two 2-place decimal numbers less than 1 (4.5 + 6.5 or 0.74 +0.33)		Use divisibility tests to aid mental calculation Use place value and number facts in mental multi (40,000 x 6 = 24,000)		Halve and double decimal numbers with up to 2 places using partitioning e.g 36.73 doubled is double 36 plus double 0 .73)	

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	Count forward and backward with positive and negative numbers through zero. Know all multiplication tables to 12x. Apply and extend Derive quickly and without difficulty, number bonds to 1000 Use number bonds to 1 and 10 to perform mental subtraction of any pair of one-place Add positive number to negative numbers (e.g calculate a rise in temp)		Identify common factors, common numbers and prime numbers and use factors in mental division (438 ÷ 6 is 219 ÷ 3) Identify common factors, common numbers and prime numbers and use factors in mental multiplication (e.g 326 x 6 is 652 x 3) Know by heart all multiplication and division facts up to 12 x 12. Apply and extend		Know by heart all multiplication and division facts up to 12 x 12. Apply and extend Use rounding in mental multiplication (34 x 19 as (20 x34) -34) Use doubling and halving as a mental division and multiplication strategy. E.g to divide by 2,4,8,5,20 and 25 (628 ÷ 8 is halved three times) (28 x 25 is ¼ of 28 x 100 = 700)	
Recap for retention	5-minute daily starter exercise of 'Flashback 4': Essential skills are regularly revisited and retrieved to strengthen retention. Consolidation Week at the end of each half term: Pupils can consolidate learning from the 'Blocks' covered in the half term.					
Areas	Number: Place Value Number: Addition, Subtraction, Number - Multiplication and Division	Number - Multiplication and Division Number – Fraction Measurement – Converting units	Number - Ratio Number - Algebra Number - Decimals	Number – Fractions, Percentages & Percentages Measurement – Area, Perimeter and Volume Statistics	Geometry: Shape Geometry – Position and Direction	Projects Consolidation Problem solving
National Curriculum	**Place Value** **Addition & Subtraction** **Multiplication & Division**	**Number** **Fractions**	**Ratio** **Algebra** **Decimals**	**Number** **Measurement** **Statistics**	**Geometry** **Number**	

Science Overview						
	Autumn 1	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
Area	Electricity Animals including humans		Animals including humans (+ water transport) Light		Living things and their habitats Evolution and inheritance	

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				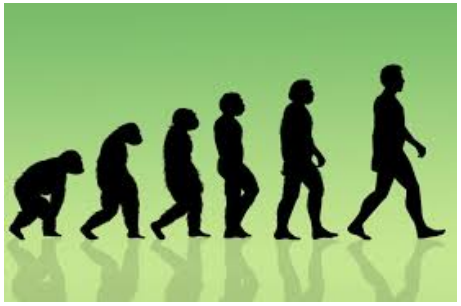	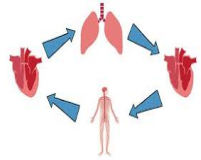
Love 2 Investigate	What can your heart rate tell you?	What colour is a shadow?	How do animals stay warm?	Why do birds have different beaks?How does inheritance work?	
Now Press Play			KS2 SAT's	Evolution	
Year 6 Conceptual Application:					
Skill	Statistics	Measure	Statistics	Statistics/Measure	Measure
Knowledge	Plot data in a graph	Can you measure the distance?	How can you sort the following?	Make actual scales for dinosaurs. Display your results in a pie chart.	