



# Atom Learning Curriculum

Overview

Data	Number		Geometry	Measurement	Ratio and Proportion	Algebra
Statistics	Place Value	Fractions	Properties of Shape	Measuring Space	Ratio	Expressions
<div><div>The Mean</div><div>Y6</div><div>Mode, Median &amp; Range</div><div>Y6+</div></div>	<div><div>Intro to Place Value</div><div>Y3 Y4 Y5 Y6</div><div>Order and Compare</div><div>Y3 Y4 Y5 Y6</div><div>Roman Numerals</div><div>Y4 Y5 Y6</div><div>Rounding Numbers</div><div>Y4 Y5 Y6</div><div>Negative Numbers</div><div>Y4 Y5 Y6 Y6+</div></div>	<div><div>Intro to Fractions</div><div>Y3 Y4 Y5 Y6 Y6+</div><div>Equivalent Fractions</div><div>Y3 Y4 Y5 Y6</div><div>Mixed Numbers and Improper Fractions</div><div>Y4 Y5 Y6</div><div>Order and Compare Fractions</div><div>Y3 Y4 Y5 Y6</div><div>Adding and Subtracting Fractions</div><div>Y3 Y4 Y5 Y6 Y6+</div><div>Multiplying Fractions</div><div>Y5 Y6</div><div>Dividing Fractions</div><div>Y6 Y6+</div></div>	<div><div>Angles</div><div>Y3 Y4 Y5 Y6 Y6+</div><div>Triangles</div><div>Y3 Y4 Y5 Y6 Y6+</div><div>Quadrilaterals</div><div>Y3 Y4 Y5 Y6 Y6+</div><div>Polygons and Circles</div><div>Y4 Y5 Y6 Y6+</div><div>Three-Dimensional Shapes</div><div>Y3 Y4 Y5 Y6</div></div>	<div><div>Length and Perimeter</div><div>Y3 Y4 Y5 Y6</div><div>Area</div><div>Y4 Y5 Y6</div><div>Volume</div><div>Y5 Y6</div><div>Units of Volumes and Areas</div><div>Y6+</div><div>Surface Area</div><div>Y6+</div></div>	<div><div>Intro to Ratios</div><div>Y5 Y6+</div><div>Calculating ratios</div><div>Y6</div><div>Similar shapes and scale factors</div><div>Y6</div></div>	<div><div>Forming Expressions</div><div>Y6</div><div>Intro to Algebraic Notation</div><div>Y6+</div><div>Brackets in Algebra</div><div>Y6+</div><div>Algebraic Fractions</div><div>Y6+</div></div>
Representing Data	Operations	Decimals	Position and Direction	Weights and Measures	Proportion	Equations
<div><div>Pictograms</div><div>Y3 Y4 Y5 Y6</div><div>Tables</div><div>Y3 Y4 Y5 Y6</div><div>Bar Charts</div><div>Y3 Y4 Y5 Y6</div><div>Pie Charts</div><div>Y6 Y6+</div><div>Line Graphs</div><div>Y5 Y6</div><div>Venn Diagrams</div><div>Y4 Y5 Y6 Y6+</div><div>Scatter Graphs</div><div>Y6+</div><div>Averages from Graphs</div><div>Y6+</div></div>	<div><div>Mental Addition and Subtraction</div><div>Y3 Y4 Y5 Y6</div><div>Written Addition</div><div>Y3 Y4 Y5 Y6</div><div>Written Subtraction</div><div>Y3 Y4 Y5 Y6</div><div>Mental Multiplication and Division</div><div>Y3 Y4 Y5 Y6</div><div>Written Multiplication</div><div>Y3 Y4 Y5 Y6 Y6+</div><div>Written Division</div><div>Y4 Y5 Y6 Y6+</div><div>Square and Cube Numbers</div><div>Y5 Y6 Y6+</div><div>Order of Operations</div><div>Y6</div><div>Estimating</div><div>Y4 Y5 Y6 Y6+</div><div>Multiples</div><div>Y5 Y6 Y6+</div><div>Factors</div><div>Y5 Y6 Y6+</div><div>Prime Number and Factor Trees</div><div>Y5 Y6 Y6+</div><div>Worded Problems</div><div>Y3 Y4 Y5 Y6 Y6+</div></div>	<div><div>Intro to Decimals</div><div>Y4 Y5 Y6</div><div>Converting Decimals and Fractions</div><div>Y4 Y5 Y6 Y6+</div><div>Order and Compare Decimals</div><div>Y4 Y5 Y6 Y6+</div><div>Adding and Subtracting Decimals</div><div>Y4 Y5 Y6</div><div>Multiplying and Dividing Decimals</div><div>Y4 Y5 Y6</div><div>Recurring Decimals</div><div>Y6+</div></div>	<div><div>Transformations</div><div>Y4 Y5 Y6 Y6+</div><div>Position</div><div>Y4 Y5 Y6</div></div>	<div><div>Metric Units</div><div>Y3 Y4 Y5 Y6</div><div>Converting Imperial Units</div><div>Y5 Y6</div><div>Money</div><div>Y3 Y4 Y5 Y6</div><div>Time</div><div>Y3 Y4 Y5 Y6</div><div>Speed</div><div>Y6+</div></div>	<div><div>Proportion</div><div>Y6+</div></div>	<div><div>Substitution</div><div>Y5 Y6</div><div>Solving</div><div>Y5 Y6</div><div>Rearranging Equations</div><div>Y6+</div><div>Inequalities</div><div>Y6+</div><div>Two Unknowns</div><div>Y6 Y6+</div></div>
Probability	Percentages				Sequences	
<div><div>Basic Probability</div><div>Y6+</div><div>Compound Probability</div><div>Y6+</div></div>	<div><div>Calculating Percentages</div><div>Y6 Y6+</div><div>Order and Compare Percentages (FDP)</div><div>Y5 Y6 Y6+</div><div>Percentage Change</div><div>Y6+</div></div>			<div><div>Simple Sequences</div><div>Y5 Y6</div><div>Complex Sequences</div><div>Y6+</div><div>The nth Term</div><div>Y6+</div></div>		

Spelling	Vocabulary	Grammar	Punctuation	Reading Comprehension
Building Words	Meaning of Words	Parts of Speech	Punctuation	Comprehension
<div>Plurals Y3 Y4 Y5 Y6 Y6+</div> <div>Compound Words Y3 Y4 Y5 Y6 Y6+</div>	<div>Definitions Y3 Y4 Y5 Y6 Y6+</div> <div>Antonyms and Synonyms Y3 Y4 Y5 Y6 Y6+</div> <div>Prefixes Y3 Y4 Y5 Y6 Y6+</div> <div>Suffixes Y3 Y4 Y5 Y6 Y6+</div>	<div>Nouns Y3 Y4 Y5 Y6 Y6+</div> <div>Verbs Y3 Y4 Y5 Y6 Y6+</div> <div>Pronouns Y3 Y4 Y5 Y6 Y6+</div> <div>Adjectives and Adverbs Y3 Y4 Y5 Y6 Y6+</div> <div>Prepositions Y3 Y4 Y5 Y6 Y6+</div> <div>Determiners Y3 Y4 Y5 Y6 Y6+</div> <div>Conjunctions Y3 Y4 Y5 Y6 Y6+</div>	<div>Sentence Punctuation Y3 Y4 Y5 Y6</div> <div>Commas Y3 Y4 Y5 Y6 Y6+</div> <div>Apostrophes Y3 Y4 Y5 Y6 Y6+</div> <div>Direct and Reported Speech Y3 Y4 Y5 Y6 Y6+</div> <div>Hyphens and Parentheses Y3 Y4 Y5 Y6 Y6+</div> <div>Colons and Semicolons Y3 Y4 Y5 Y6 Y6+</div>	<div>Fiction</div> <div>Non-fiction</div> <div>Poetry</div> <div>Drama</div> <div>Persuasive writing</div>
Word Sounds		Verb Agreement		
<div>Homonyms, Homographs and Homophones Y3 Y4 Y5 Y6 Y6+</div> <div>Silent Letters Y3 Y4 Y5 Y6 Y6+</div> <div>Letter Strings Y3 Y4 Y5 Y6 Y6+</div>		<div>Modal Verbs Y5 Y6 Y6+</div> <div>Person: Subject/Verb Agreements Y3 Y4 Y5 Y6 Y6+</div> <div>Tenses: Simple Past, Present and Future Y3 Y4 Y5 Y6</div> <div>Subjects and Objects Y5 Y6 Y6+</div> <div>Active and Passive Voice Y5 Y6 Y6+</div> <div>Subjunctive Verb Forms Y6+</div>		
		Syntax		
		<div>Phrases Y3 Y4 Y5 Y6 Y6+</div> <div>Sentences and Main Clauses Y3 Y4 Y5 Y6</div> <div>Subordinate Clauses Y3 Y4 Y5 Y6 Y6+</div> <div>Shuffled Sentences Y5 Y6</div>		

Interpreting Shapes	Manipulating Shapes
Recognise and Associate	2D Shapes
<div>Odd One Out</div> <div>Y3 Y4 Y5 Y6 Y6+</div> <div>Match to a Group</div> <div>Y3 Y4 Y5 Y6 Y6+</div> <div>Match to a Pair</div> <div>Y3 Y4 Y5 Y6 Y6+</div>	<div>Parts Within a Shape</div> <div>Y3 Y4 Y5 Y6 Y6+</div> <div>Shape Logic</div> <div>Y3 Y4 Y5 Y6 Y6+</div> <div>Rotations and Reflections</div> <div>Y3 Y4 Y5 Y6 Y6+</div> <div>Following Folds</div> <div>Y3 Y4 Y5 Y6 Y6+</div>
Extending a Pattern	3D Shapes
<div>Pairing Shapes</div> <div>Y3 Y4 Y5 Y6 Y6+</div> <div>Sequences</div> <div>Y3 Y4 Y5 Y6 Y6+</div> <div>Matrices</div> <div>Y3 Y4 Y5 Y6 Y6+</div> <div>Odd Shaped Matrices</div> <div>Y3 Y4 Y5 Y6 Y6+</div>	<div>Nets and Cubes</div> <div>Y3 Y4 Y5 Y6 Y6+</div> <div>Rotating 3D Shapes</div> <div>Y3 Y4 Y5 Y6 Y6+</div> <div>Nets from 3D Shapes</div> <div>Y4 Y5 Y6 Y6+</div> <div>Combining Shapes</div> <div>Y3 Y4 Y5 Y6 Y6+</div> <div>3D Shapes from Above</div> <div>Y3 Y4 Y5 Y6 Y6+</div> <div>Colons and Semicolons</div> <div>Y3 Y4 Y5 Y6 Y6+</div>
Finding a Code	
<div>Find a Code</div> <div>Y3 Y4 Y5 Y6 Y6+</div>	



