

Subject: MATHS	White Rose Maths & functional skills	Algebraic thinking OUR TOPICS: <i>Year 4 - Autumn Block 4 - Multiplication & Division</i> Archie, Alfie, Harry C, Harry R <i>Recap Multiply and divide by 3</i> <i>Year 5 - Autumn Block 4 - Multiplication & Division</i> Ryan, Riley f, George, AJ and Riley B <i>Recap Divide by 10</i> <i>Year 6 - Autumn Block 2 - Four Operations</i> for extension poss AJ/ Rileys <i>Recap Divide 4-digits by 1-digit</i>
Class: T4	Teacher: BC	Term: 2 Autumn 2021
Key Vocabulary:	Alternative Learning Environments	Resources: Pencils, Rulers, Rubbers, White Rose scheme resources, white board, squared paper, cheese, sticky cubes Pupil specific activities at the beginning of each lesson on board including lesson descriptor rules and/or formula

Pupil	Pupil Asset Stage at Start Of Term	Pupil Asset Stage End Of Year Target
	4 beg	4 emb
	3 beg	3 emb
	3 beg	3 emb
	4 beg	4 emb
	2 emb+	3 dev+
	3 beg	3 emb
	4 emb	5 dev
	4 beg	4 emb
	3 emb	4 dev

Learning Intentions.

Current Unit –	Prior Learning –	Future Learning –
Multiplication and division stages 4,5 & 6	Sequencing (Year/stage 7) Long addition, multiplication and subtraction	

Pupil Asset Milestones to be achieved:

Year 4 - Autumn Block 4 multiplication and division

Recap Multiply and divide by 3

Recap The 3 times-table

Multiply and divide by 6

6 times-table and division facts

Multiply and divide by 9

9 times-table and division facts

Multiply and divide by 7

7 times-table and division facts

Year 5 - Autumn Block 4 - Multiplication & Division

Recap Divide by 10

Recap Divide by 100

Multiples

Factors

Common factors

Activity Prime numbers

Prime numbers

Square numbers

Cube numbers

Year 6 - Autumn Block 2 - Four Operations

Recap Divide 4-digits by 1-digit

Recap Divide with remainders

Short division

Division using factors

Long division (1)

Long division (2)

Long division (3)

Long division (4)

Recap Factors

Common factors

Common multiples

Primes to 100

Squares and cubes

Order of operations

Mental calculations and estimation

Reason from known facts

Week	Session 1	Session 2	Session 3	Session 4
1	<p>Lesson Objective: Recap confirm understanding of previous weeks topics, develop independent working skills, thought, problem solving. Alongside developing mental maths skills and rehearsing number bonds</p> <p>Activities: 20 questions on board relating to topic differentiated for all students</p> <p>Students completing activities with a range of concrete materials as required</p> <p>Peer support – working in set groups with staff support.</p>	<p>Lesson Objective</p> <p>Activities</p> <p>Recap</p> <p>All students [redacted] as exercises on w/b with me.</p>	<p>Lesson Objective</p> <p>Activities</p> <p>White Rose worksheets as above</p>	<p>Lesson Objective</p> <p>Activities</p> <p>Maths games and problems using topic skills</p>
	Lesson Objective:	Lesson Objective	Lesson Objective	Lesson Objective

2	<p>Recap confirm understanding of previous weeks topics, develop independent working skills, thought, problem solving. Alongside developing mental maths skills and rehearsing number bonds</p> <p>Activities: 20 questions on board relating to topic differentiated for all students</p> <p>Students completing activities with a range of concrete materials as required</p> <p>Peer support – working in set groups with staff support.</p>	<p>Activities</p> <p>Recap</p> <p>All students [redacted] as exercises on w/b with me.</p>	<p>Activities</p> <p>White Rose worksheets as above</p>	<p>Activities</p> <p>Maths games and problems using topic skills</p>
3	<p>Lesson Objective: Recap confirm understanding of previous weeks topics, develop independent working skills, thought, problem solving. Alongside developing mental maths skills and rehearsing number bonds</p> <p>Activities: 20 questions on board relating to topic differentiated for all students</p> <p>Students completing activities with a range of concrete materials as required</p> <p>Peer support – working in set groups with staff support.</p>	<p>Lesson Objective</p> <p>Activities</p> <p>Recap</p> <p>All students [redacted] as exercises on w/b with me.</p>	<p>Lesson Objective</p> <p>Activities</p> <p>White Rose worksheets as above</p>	<p>Lesson Objective</p> <p>Activities</p> <p>Maths games and problems using topic skills</p>
4	<p>Lesson Objective: Recap confirm understanding of previous weeks topics, develop independent working skills,</p>	<p>Lesson Objective</p> <p>Activities</p>	<p>Lesson Objective</p>	<p>Lesson Objective</p>

	<p>thought, problem solving. Alongside developing mental maths skills and rehearsing number bonds</p> <p>Activities: 20 questions on board relating to topic differentiated for all students</p> <p>Students completing activities with a range of concrete materials as required</p> <p>Peer support – working in set groups with staff support.</p>	<p>Recap</p> <p>All students [redacted] as exercises on w/b with me.</p>	<p>Activities</p> <p>White Rose worksheets as above</p>	<p>Activities</p> <p>Maths games and problems using topic skills</p>
5	<p>Lesson Objective: Recap confirm understanding of previous weeks topics, develop independent working skills, thought, problem solving. Alongside developing mental maths skills and rehearsing number bonds</p> <p>Activities: 20 questions on board relating to topic differentiated for all students</p> <p>Students completing activities with a range of concrete materials as required</p> <p>Peer support – working in set groups with staff support.</p>	<p>Lesson Objective</p> <p>Activities</p> <p>Recap</p> <p>All students [redacted] as exercises on w/b with me.</p>	<p>Lesson Objective</p> <p>Activities</p> <p>White Rose worksheets as above</p>	<p>Lesson Objective</p> <p>Activities</p> <p>Maths games and problems using topic skills</p>
6	<p>Lesson Objective: Recap confirm understanding of previous weeks topics, develop independent working skills, thought, problem solving. Alongside developing mental</p>	<p>Lesson Objective</p> <p>Activities</p> <p>Recap</p>	<p>Lesson Objective</p> <p>Activities</p> <p>White Rose worksheets as above</p>	<p>Lesson Objective</p> <p>Activities</p>

	<p>maths skills and rehearsing number bonds</p> <p>Activities: 20 questions on board relating to topic differentiated for all students</p> <p>Students completing activities with a range of concrete materials as required</p> <p>Peer support – working in set groups with staff support.</p>	<p>All students [redacted] as exercises on w/b with me.</p>		<p>Maths games and problems using topic skills</p>
7	<p>Lesson Objective: Recap confirm understanding of previous weeks topics, develop independent working skills, thought, problem solving. Alongside developing mental maths skills and rehearsing number bonds</p> <p>Activities: 20 questions on board relating to topic differentiated for all students</p> <p>Students completing activities with a range of concrete materials as required</p> <p>Peer support – working in set groups with staff support.</p>	<p>Lesson Objective</p> <p>Activities</p> <p>Recap</p> <p>All students [redacted] as exercises on w/b with me.</p>	<p>Lesson Objective</p> <p>Activities</p> <p>White Rose worksheets as above</p>	<p>Lesson Objective</p> <p>Activities</p> <p>Maths games and problems using topic skills</p>