**Maths Assessment Year 6 2016-17**

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| **Subject** | **Term 1**Monsters, Maps & Migration | **Term 2**Light & Dark / Good & Evil | **Term 3**Change | **Term 4**Facts for circulation | **Term 5**Japan | **Term 6**Japan |
| **Maths** | Number: negative numbers, place value; formal methods of calculation | Number: factors & multiples; BODMAS; simplifying, comparing & ordering fractions | Number: Fractions, Percentages & DecimalsMeasurement | Measurement – capacity Area & PerimeterAlgebraRatio & Proportion | Geometry StatisticsPost-SATs project work (e.g. Spiral project) | Post-SATs project work (e.g. fundraising) & addressing gaps & areas for development?use of coordinate plane + translations & reflections? statistics in context?bar modelling |
| **Assessment focus and type** | Assessment focus:Security with place-value including decimals to 3dpAccuracy of mental calculationsChoice of & confidence with written methodsNumber 6.1.a.1 calculate intervals across zero6.1.b.3 use negative numbers in context6.1.e.1 round whole numbers to a given degree of accuracy6.2.c.1 problem solving (+/-) in less familiar contexts 6.2.e.2&3 formal methods for 4 ops6.2.f.1 check answersAssessment type:Guided work & independent workingTest papers – Rising Stars to suit domainsObservations from TASelf-assessment on multiplication & division facts (“times tables”) | Assessment focus:Recall & use of equivalent fractionsAccuracy of mental calculationsChoice of & confidence with written methods6.3.b.6 recall equivalence fdrAssessment type:AfL from observation / discussion & children’s self-assessment (every lesson)White Rose Hub autumn assessment arithmetic & reasoning | Assessment focus:Choice of methods to check answers [6.2.f.1]Division using formal methods & interpretation of remainders [6.2.e.3 & 6.3.c.6]Problem solving involving rounding of decimal numbers [6.3.d.2]Recall & use of equivalence between FDR including in contextsRatio 6.1.2 problems involving use of % for comparisonRatio 6.1.4 unequal sharing problemsAssessment type:Observations from TA & children’s own AfLUse of ncetm / White Rose mastery questions on fluency, reasoning & problem solvingUse of relevant questions from Rising Stars tests Y5&62016 Sample SATs papers (arithmetic & reasoning) | Assessment focus:Algebra 6.1.2 use simple formulaeAssessment type:Observations from TA & children’s own AfLUse of ncetm / White Rose mastery questions on fluency, reasoning & problem solvingKPIsWRH Spring assessment arithmetic & reasoningWRH daily problem solving tasks | Assessment focus:Geometry 6.2.1 – compare & classify geometric shapes6.3.3 find unknown angles & lengths in polygons6.5.1 draw, translate & reflect shapes on coordinate planeStatistics6.1.1 interpret data in pie charts6.3.1 solve problems using pie charts & line graphs6.3.2 calculate & interpret the mean as an averageAssessment type:Observations from TA & children’s own AfLUse of ncetm / White Rose mastery questions on fluency, reasoning & problem solvingKPIs / ITAF assessments from ‘deepening understanding’SATs 2016 papers & CGP SATs Busters | Assessment focus:Problem solving & reasoning in a variety of contexts + systematic working/recordingAssessment type:WRH Summer assessment arithmetic & reasoningKPIs supported by Mathsframe assessmentsAfL from observation / discussion & children’s self-assessment ncetm / White Rose mastery questions on fluency, reasoning & problem solving |