**Maths Assessment Year 6 2016-17**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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 & Decimals  Measurement | Measurement – capacity  Area & Perimeter  Algebra  Ratio & Proportion | Geometry  Statistics  Post-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 3dp  Accuracy of mental calculations  Choice of & confidence with written methods  Number  6.1.a.1 calculate intervals across zero  6.1.b.3 use negative numbers in context  6.1.e.1 round whole numbers to a given degree of accuracy  6.2.c.1 problem solving (+/-) in less familiar contexts  6.2.e.2&3 formal methods for 4 ops  6.2.f.1 check answers  Assessment type:  Guided work & independent working  Test papers – Rising Stars to suit domains  Observations from TA  Self-assessment on multiplication & division facts (“times tables”) | Assessment focus:  Recall & use of equivalent fractions  Accuracy of mental calculations  Choice of & confidence with written methods  6.3.b.6 recall equivalence fdr  Assessment 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 contexts  Ratio 6.1.2 problems involving use of % for comparison  Ratio 6.1.4 unequal sharing problems  Assessment type:  Observations from TA & children’s own AfL  Use of ncetm / White Rose mastery questions on fluency, reasoning & problem solving  Use of relevant questions from Rising Stars tests Y5&6  2016 Sample SATs papers (arithmetic & reasoning) | Assessment focus:  Algebra 6.1.2 use simple formulae  Assessment type:  Observations from TA & children’s own AfL  Use of ncetm / White Rose mastery questions on fluency, reasoning & problem solving  KPIs  WRH Spring assessment arithmetic & reasoning  WRH daily problem solving tasks | Assessment focus:  Geometry  6.2.1 – compare & classify geometric shapes  6.3.3 find unknown angles & lengths in polygons  6.5.1 draw, translate & reflect shapes on coordinate plane  Statistics  6.1.1 interpret data in pie charts  6.3.1 solve problems using pie charts & line graphs  6.3.2 calculate & interpret the mean as an average  Assessment type:  Observations from TA & children’s own AfL  Use of ncetm / White Rose mastery questions on fluency, reasoning & problem solving  KPIs / ITAF assessments from ‘deepening understanding’  SATs 2016 papers & CGP SATs Busters | Assessment focus:  Problem solving & reasoning in a variety of contexts + systematic working/recording  Assessment type:  WRH Summer assessment arithmetic & reasoning  KPIs supported by Mathsframe assessments  AfL from observation / discussion & children’s self-assessment  ncetm / White Rose mastery questions on fluency, reasoning & problem solving |