|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Data Handling** | MW | R | A | G | **Number and Algebra** | MW | R | A | G |
| 1.Stem-and-Leaf | 128b |  |  |  | 26. Index notation and index laws, reciprocals | 29, 76, 82, 131, 154 |  |  |  |
| ~~2.Two Way table inc. text questions~~ | 61 |  |  |  | 27. Standard Form | 83 |  |  |  |
| 3. Frequency polygon  | 65b |  |  |  | ~~28. BIDMAS~~ |  75 |  |  |  |
| 4. Scatter Graphs | 129 |  |  |  | 29. Negatives |  68 |  |  |  |
| 5. Drawing frequency diagrams – bar charts | 15, 63, 65 |  |  |  | ~~30. Long multiplication~~ and division | 19, 20 |  |  |  |
| 6. Frequency tree | 57 |  |  |  | 31. Prime Factors, product of primes, ~~HCF~~ & LCM | 28, 78-80 |  |  |  |
| 7. Averages and range | 62 |  |  |  | 32. Error intervals | 132, 155 |  |  |  |
| 8. Averages – grouped table | 130 |  |  |  | 33. Estimation | 90-1 |  |  |  |
| 9. Tree Diagrams | 151, 175, 204 |  |  |  | 34. Forming expressions/equations, solving linear equations | 135, 137 |  |  |  |
| 10. Probability with Venn diagrams | 127, 185 |  |  |  | 35. Inequalities | 138-9 |  |  |  |
| **Shape, Space and Measure** | 36. Value for money | 41 |  |  |  |
| 11. Loci / Constructions | 145-7, 165 |  |  |  | 37. Powers and roots | 29, 81 |  |  |  |
| 12. Basic vectors | 174 |  |  |  | 38. Ratio | 106-7 |  |  |  |
| 13. ~~Reflections~~, rotations, ~~translations~~ | 48-50 |  |  |  | 39. Exchange rates | 105 |  |  |  |
| 14. Enlargements | 148 |  |  |  | 40. Fractions – could be divide  | 24-6, 70-4 |  |  |  |
| 15. Bearings | 124 |  |  |  | 41. Linear and geometric sequences, nth term | 102-3, 163 |  |  |  |
| 16. Area and perimeter of 2D shapes inc. circles – rectangles done not trapezium | 54-56, 116-118, 149, 167 |  |  |  | 42. Simplifying expressions, substitution, factorising | 33-35, 94, 95 |  |  |  |
| 17. Vol & s. area of prisms, cones, frustrums, spheres & pyramids | 114-5, 119, 169-172 |  |  |  | 43. Expand and simplify - quadratics | 93, 134, 158 |  |  |  |
| 18. Speed/Density/Pressure | 142 |  |  |  | 44. Linear graphs, use of y=mx+c | 96-7, 159 |  |  |  |
| 19. Converting between units | 112 |  |  |  | 45. Quadratic, cubic & reciprocal graphs ~~inc roots~~ | 98-9, 160-161 |  |  |  |
| 20. Nets, ~~Plans and Elevations~~ | 44, 51 |  |  |  | 46. Percentages | 85-9, 108-111, 164 |  |  |  |
| 21. Alternate, corresponding and co-interior angles | 120 |  |  |  | 47. Calculator questions | 77 |  |  |  |
| 22. Exterior and interior angles of a polygon | 123 |  |  |  | 48. Simultaneous Equations | 140, 162 |  |  |  |
| 23. Trigonometry | 168 |  |  |  | 49. Similarity | 144 |  |  |  |
| ~~24. Exact trig. values~~  | 173 |  |  |  | 50. Solving quadratics – factorising | 157 |  |  |  |
| 25. Pythagoras’ Theorem | 150 |  |  |  | 51. Basic vectors | 174 |  |  |  |

**Cams Hill’s Top Topics (Foundation after P1)**

MW = vle.mathswatch.co.uk and the number refers to the GCSE video clip(s) associated to the topic. Please note that this list is not exclusive, the other clip numbers may be relevant too – we have just identified the top topics.