|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Data Handling** | MW | R | A | G | **Number and Algebra** | MW | R | A | G |
| 1.Stem-and-Leaf – finding median, IQR | 128b |  |  |  | 28. Index notation and index laws, reciprocals | 29, 76, 82, 131, 154, 188 |  |  |  |
| 2.Two Way table inc. text questions | 61 |  |  |  | 29. Standard Form | 83 |  |  |  |
| 3. Frequency polygon  | 65b |  |  |  | 30. BIDMAS, negatives, long multiplication and division | 19, 20, 68, 75 |  |  |  |
| 4. Reverse means, Overall means using 2 sets of data |  |  |  |  | 31. Prime Factors, product of primes, ~~HCF~~ & LCM | 28, 78-80 |  |  |  |
| 5. Averages – from a table | 130 |  |  |  | 32. Error intervals, truncated | 132, 155 |  |  |  |
| 6. Stratified Sampling | 176 |  |  |  | ~~33. Estimation~~ | 90-1 |  |  |  |
| 7. Tree Diagrams | 151, 175, 204 |  |  |  | 34. Forming expressions/equations, solving linear equations | 135, 137 |  |  |  |
| 8. Probability with Venn diagrams | 127, 185 |  |  |  | 35. Inequalities | 138-9, 198 |  |  |  |
| 9. Cumulative Frequency | 186 |  |  |  | 36. Direct and inverse proportion – done but could have the worker problem with inverse | 199 |  |  |  |
| 10. Boxplots | 187 |  |  |  | 37. Equation of a circle | 197 |  |  |  |
| **Shape, Space and Measure** | 38. Iterative processes | 180 |  |  |  |
| 11. Loci / Constructions | 145-7, 165 |  |  |  | 39. Fractions – 4 operations – multiplying mixed nos. done | 70-4 |  |  |  |
| 12. Basic vectors | 174 |  |  |  | 40. Linear and geometric sequences, nth term | 102-3, 163 |  |  |  |
| 13. ~~Reflections~~, rotations, ~~translations~~ | 48-50 |  |  |  | 41. Quadratic sequences | 213 |  |  |  |
| 14. Enlargements | 148, 181 |  |  |  | 42. Simplifying expressions, substitution, factorising | 33-35, 94, 95 |  |  |  |
| 15. Bearings | 124 |  |  |  | 43. Expand and simplify, inc. 3 brackets | 93, 134, 158, 178 |  |  |  |
| 16. Area and perimeter of 2D shapes inc. circles  | 54-6, 116-8, 149, 167 |  |  |  | 44. Linear graphs, use of y=mx+c, perpendicular lines | 96-7, 159, 208 |  |  |  |
| 17. Vol & s. area of prisms, ~~cones~~, frustrums, ~~spheres~~ & pyramids | 114-5, 119, 169-172 |  |  |  | 45. Quadratic, cubic & reciprocal graphs inc roots | 98-9, 160-161 |  |  |  |
| 18. Speed/Density/Pressure | 142 |  |  |  | 46. Percentages – compound int, simple int, reverse, multipliers | 85-9, 108-111, 164 |  |  |  |
| 19. Converting between units | 112 |  |  |  | 47. Ratio, exchange rates | 105-6 |  |  |  |
| 20. Nets, Plans and Elevations | 44, 51 |  |  |  | 48. Simultaneous Equations | 140, 162 |  |  |  |
| 21. Alternate, corresponding and co-interior angles | 120 |  |  |  | 49. Similarity | 144 |  |  |  |
| 22. Exterior and interior angles of a polygon | 123 |  |  |  | 50. Solving quadratics – formula, factorising | 157, 191-192 |  |  |  |
| 23. Trigonometry | 168 |  |  |  |  |  |  |  |  |
| 24. Velocity-time graphs – tangents and area under curve | 216 |  |  |  |  |  |  |  |  |
| 25. Pythagoras’ Theorem | 150 |  |  |  |  |  |  |  |  |
| 26. Advanced Trig – Sine Rule, Cosine Rule & ½abSinC | 201-3 |  |  |  |  |  |  |  |  |
| ~~27. Exact trig. values~~  | 173 |  |  |  |  |  |  |  |  |

**Cams Hill’s Top Topics (Higher 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.