

### Yr13 TOPIC LISTS - ASSESSMENT 3

Subject	Topic details for March Assesment
Computer Science	Number conversions, binary addition, bitwise manipulation, sign & magnitude, twos compliment, computational thinking, pipelining, algorithms, variables, computer architecture, assembly language, computational methods, compression techniques,
Dance	Practical work - practitioner solo, quartet and choreography
Drama	You will undertake your Text based performance Practical on CageBirds in PA21 - Dress rehearsal and then performance on the exam day
English Language	Choice of three topic - CLA Written, Gender and Time
English Literature	Choice of five topics - Decades Poetry, Chaucer's The Wife Of Bath, Rossetti, Tess of the D'Urbervilles and A Thousand Splendid Suns
French	Speaking assessment covering units 1 to 6 from year 12, and units 1 to 4 from year 13. Independent Research Project (topic chosen by the student).
Geography	NEA is being used for Assesment 3
Health and Social Care BTEC	NEA is being used for Assesment 3
History	You will complete one 20 mark essay, from a choice of two. Revise Henry VII's foreign policy and Wolsey.
Maths	Integration (12 and 13 covered so far), differentiation, series, exponentials and logarithms, parametrics, functions, algebraic methods, binomial theorem, numerical methods, sectors and arcs.
Music	Section B elements analysis essay question from Debussy, Clara Schumann, Rachel Portman set works
PE Sport BTEC	NEA is being used for Assesment 3
Politics	Parties/party systems (UK only) - Core theory: conservatism
Psychology	Approaches in psychology, social influence and research methods
Product Design	Practical assessment is being used for Assesment 3
Science BTEC	NEA is being used for Assesment 3
Science Biology	Mixed MCQ from topics in assessment 1&2 and critical analysis of data questions
Science Chemistry	Mixed MCQ from topics in assessment 1&2
Science Physics	Required practical knowledge (bending a beam, SHM, emf) and optional topic questions (ELECTRONICS - 4-bit binary counters, logic gates, op-amps; ASTRO - supernova and standard candles, starlife; ENGINEERING - angular momentum, p-V; MEDICAL - the eye, the ear)
Sociology	Crime and Deviance: Class; Theory and Methods: Objectivity
Spanish	Free time activities and hobbies, Shopping, Technology and social networks, Holidays, School, Grammar: opinion phrases and structures, past activities, future plans
Core Maths Y12 level 3 Cert of Math Studies	Two papers testing a range of topics from the whole Core Maths syllabus with the exception of APR

Film Studies	NEA is being used for Assesment 3
Further Maths	Roots of polynomials, complex numbers (Argand, Loci, De Moivre), Inverse matrices, integration, mean value, proof by induction, polar coordinates, hyperbolic functions, summing series, Maclaurin series, volumes of revolution,. Statistics - Poisson hypothesis testing, geometric, Poisson, binomial and approximations, random variables. Decision - graphs, networks, linear programming, route inspection (except simplex), Mechanics - coefficient of restitution, work, energy & power, collisions. Check with applied teachers.
Year 12 Further Maths	Matrices, complex numbers (Argand, loci), series, proof by induction, roots of polynomials, volumes of revolution. Decision completed (graphs, networks, linear programming, route inspection) Mechanics: work, energy and power, collisions (as advised)