



Curriculum Map cover sheet

Subject: Data Analytics	Year Group 12 and 13	Key Stage 5
Links to prior learning • Builds on KS4/GCSE skills in ICT, mathematics, and science, including basic data handling, spreadsheet use, and understanding of digital systems. • Prior experience with logical reasoning, interpreting data, and using digital tools supports access to topics such as fundamentals of data analytics, spreadsheet modelling, and relational databases	Retrieval Practice • Regular low-stakes quizzes on terminology (e.g., data types, data models, legal considerations). • Retrieval activities using past assignment scenarios and sample data sets to reinforce concepts such as data management and spreadsheet design. • Spaced practice with key processes: data validation, data analysis, and evaluation of solutions	Adaptive teaching strategies • Scaffolded assignments with checklists and exemplars for NEA units (e.g., spreadsheet modelling, database design). • Use of visual aids (e.g., flowcharts for data processes, annotated spreadsheet models). • Flexible grouping for peer review, targeted intervention sessions, and differentiated tasks for varying levels of ability and experience
Literacy • Explicit teaching of technical vocabulary (e.g., relational database, data visualisation, IoT). • Structured writing tasks: evaluating data solutions, documenting processes, and producing user guides. • Analysis and interpretation of written	Oracy • Group discussions and presentations on data-driven decision-making and ethical/legal issues. • Verbal justification of design choices in assignments (e.g., spreadsheet model structure). • Peer feedback and collaborative	Numeracy • Data analysis using spreadsheets (formulas, functions, charts, statistical tools). • Calculations for data validation, error checking, and modelling scenarios. • Quantitative evaluation of data solutions (e.g., efficiency, accuracy,

case studies and scenario-based tasks	problem-solving sessions.	reliability)
Careers across the Curriculum • Exploration of roles such as data analyst, business intelligence developer, database manager, and digital marketing analyst. • Case studies and guest speakers from sectors like business, IT, healthcare, and marketing. • Emphasis on transferable skills (problem-solving, analytical thinking, digital literacy) relevant to a wide range of careers	Wider Curriculum opportunities • Links to A Level Business, Maths, Geography, Psychology, and Computing. • Interdisciplinary projects: using data analytics to support business decisions, scientific research, or social science investigations. • Exploration of societal and environmental impacts of data and technology	Super Curriculum Please add link, can't find it
Assessment and feedback Formative assessment given frequently in the form of mini-whiteboard activities, cold-calling, group discussions etc...		

Summative assessment given once per half term and detailed, timely feedback with clear targets for improvement, addressing both theoretical and practical skills, and opportunities for reflection and iterative development will be given on these tests and anything of note will be retaught, retrieval starters will be put into future lessons to retrieve knowledge that was a weakness.

End of year 12 Mock summarising all knowledge from the year will be sat in the last half term and again feedback will be given on this assessment.

AAQ IN DATA ANALYTICS - LEARNING JOURNEY

OCR AAQ Data Analytics – From 2025

F200: Fundamentals of Data Analytics - 1hr 15 minute exam.

F201: Big Data and Machine Learning - 1hr 30 minute exam.

F202: Spreadsheet and Data Modelling - Non Exam Assessment

F204: Data and the Internet of Everything - Non Exam Assessment

F206: Data and Digital Marketing - Non Exam Assessment

SUCCESS COMES FROM HARDWORK

