

NHSG Key Stage 3 Unit Overview for KS3 S6: E-Literacy & Artificial Intelligence



Computer Science	7:S6 E-Literacy & Artificial Intelligence				Spring Term
Learning outcomes	This unit develops skills in internet and AI usage for research. Students will develop their understanding of how to find information efficiently, how to determine its reliability and to analyse the sources for any bias. Students will also gain knowledge of their rights and responsibilities regarding the use of information and material found on the internet and generated by AIs.				
Key Question	How can we find reliable information on the internet efficiently? How do we create a fair online community with regards to intellectual property? Can we rely on everything AI tells us? How can we fact-check? How can we use AI to improve our access to learning?				
Knowledge	Key concepts • The internet is vast, and not just limited to the web • People have differing views, so sources will have differing viewpoints or biases • Not everything on the internet is true. • Both sides of plagiarism and laws that aim to give some protection/recompense • How to credit the original source • How reliable are AI chat bots? • How can we use GenAI to help us with our work?		Key Terminology will include • Search engines • Keywords • Reliability • Bias • Misinformation • Copyright • Intellectual Property • Creative Commons Licence • Generative Artificial Intelligence		
Ongoing Assessment	Progress and understanding is monitored through lessons by the teacher and a series of MS Forms and exercises. Students are expected to self-evaluate their achievements in the lesson using the provided template of key questions. They will then use homework time to secure a weak area that they have identified.				



	Answers are expected to be in the student's own words and not paraphrased or directly copied from online resources. You will have access the resources used via SharePoint/Teams and will be expected to continue familiarising with the systems each day outside of class. Students are expected to access Computer Science resources via Teams outside of lesson time and this is monitored throughout the year.
Key Assessment	There are two assessment periods for Year 7. These take towards the end of the Autumn term, and towards the beginning of the Summer term. Each assessment will check understanding of the units recently covered as well as their sustained understanding of previous units. The self-evaluation sheets should be used as the basis of what they need to revise. These assessments will have the same number of marks across the year group, though there may be some variety in the questions depending on the progress of the individual class. They are written tests on paper and consist of three sections: Knowledge (facts), Application, Explanation. The reports are based on how each student does in comparison with the rest of the year group in these assessments.
Clear sequencing of content	This unit is broken into seven lessons starting with how to be efficient in our research before looking at the reliability of the data we are gathering, before looking at how we can make use of the data we find out. The second half of the unit looks at the use of generative AI with respect to the knowledge and understanding gained from the first three lessons. Each lesson requires application of the knowledge and understanding gained from the previous lessons. Students should be going over the content from the previous lesson before the next lesson. Students are expected to be using these skills and concepts throughout their life both in academia and in the way they approach the information they find while surfing the internet and social media.
Links to Careers	Scientific Research, Law, Impact on future jobs, creative industries, journalism
Diversity and Inclusion	Discussion points will include: • Why might source bias occur between countries/cultures/religions/races? • Is something wrong just because we disagree with it? • What causes bias within Generative AI models and what impacts will this have on set of people?

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Additional Support	Self-Assessment RAG sheets act as knowledge organisers with key questions for each lesson SharePoint with knowledge PowerPoints Year 8 mentors available one lunchtime a week upon request, or under direction if deemed necessary
Challenge	https://www.bbc.co.uk/newsround/69009887 Research: What is an echo chamber and how does it relate to our continual use of social media? Research: Why did the rate of MMR uptake drop and why are we still struggling to get parents to allow their kids to have it? https://news.sky.com/story/why-are-we-still-having-the-anti-vax-debate-11710936