

HIGHFIELDS SCHOOL

CURRICULUM OVERVIEW 2023-2024



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SUBJECT: ICT

KEY STAGE: 3

AUTUMN TERM - YEAR 9	SPRING TERM - YEAR 9	SUMMER TERM - YEAR 9
<p>Cyber Security</p> <p>Threats:</p> <ul style="list-style-type: none"> • Denial of service • Malware • Hacking • Social engineering <p>Prevention methods:</p> <ul style="list-style-type: none"> • Logical • Physical • Legislation <p>Homework</p> <ul style="list-style-type: none"> • Malware Biographies • Comprehension task – news story • Knowledge check: Social engineering • 4Rs activities to prepare for end of unit test 	<p>Spreadsheets</p> <ul style="list-style-type: none"> • Spreadsheet tools and techniques • Developing HCI for spreadsheet • Creating a solution that meets user needs <p>Augmented Reality (AR)</p> <ul style="list-style-type: none"> • Purpose and uses of AR • Designing and creating an AR prototype • Evaluate prototype in relation to user needs <p>Homework</p> <ul style="list-style-type: none"> • Spreadsheet formulae and functions • 4Rs activities for school exam • Mind map design of AR prototype • AR prototype testing 	<p>Digital communications</p> <ul style="list-style-type: none"> • Purpose of different types • Characteristics of software and devices • Types of distribution channels • Audience demographics <p>Internet of Everything (IoE)</p> <ul style="list-style-type: none"> • What is IoE • Four pillars of the IoE • Application areas <p>Homework</p> <ul style="list-style-type: none"> • Devices used for digital communication • DTP features • IoE presentation about specific application • 4Rs activities for IoE test
<p>ASSESSMENT</p> <p>Standard Assessment</p> <ul style="list-style-type: none"> • Multiple choice and short answer test about threats and impact of threats • End of unit test 	<p>ASSESSMENT</p> <p>Standard Assessment</p> <ul style="list-style-type: none"> • IT option school exam • Design plan for AR prototype 	<p>ASSESSMENT</p> <p>Standard Assessment</p> <ul style="list-style-type: none"> • Select and assess software to meet user needs • Use of IoE in everyday life