

Directed Study - Google Digital Skills for students

Join as a student using this link g.co/AppliedDigitalSkills. Teachers can join as a teacher and create a class for students if they prefer. GameMaker, SoloLearn and Codecademy are external links.

| Title and link | Digital Tools & Time | Skills | Y11 suitable | Y10 suitable | YR10 or YR11 suitable |
|--|--|---|--------------|--------------|-----------------------|
| Introduction to Machine Learning https://applieddigitalskills.withgoogle.com/c/middle-and-high-school-uk/en-uk/introduction-to-machine-learning/overview.html | Sheets & Maps 3-5 hours | Advanced formulas Data analysis pivot tables Organizing data Spreadsheet organization | Yes | | |
| Create an Editing Tool with Programming https://applieddigitalskills.withgoogle.com/c/middle-and-high-school-uk/en-uk/create-an-editing-tool-with-programming/overview.html | Apps Script Docs Slides 4-6 hours | Learn basic coding concepts and create an automated editing program that will help improve a writing assignment. | | | Yes |
| Create a Guessing Game https://applieddigitalskills.withgoogle.com/c/middle-and-high-school-uk/en-uk/create-a-guessing-game/overview.html | Forms 45-90 mins | Collaboration Digital publishing File sharing | | Yes | |
| Design a Website to Promote a Project https://applieddigitalskills.withgoogle.com/c/middle-and-high-school-uk/en-uk/design-a-website-to-promote-a-project/overview.html | Sites 45 -90 mins | Collaboration Communication Digital collaboration Digital publishing Effective communication File sharing Identify relevant data Organizing data Presentation formatting Writing strategies | | | Yes |
| Create a CV in Google Docs https://applieddigitalskills.withgoogle.com/c/middle-and-high-school-uk/en-uk/create-a-cv-in-google-docs/overview.html | Docs Gmail Search 45 -90 mins | Create CV Reflection | | | Yes |

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| Evaluate Credibility of Online Sources https://applieddigitalskills.withgoogle.com/c/middle-and-high-school-uk/en-uk/evaluate-credibility-of-online-sources/overview.html | Docs Search 45 -90 mins | Identify relevant data Internet search Source evaluation | | | Yes |
| Identify Cyberbullying https://applieddigitalskills.withgoogle.com/c/middle-and-high-school-uk/en-uk/identify-cyberbullying/overview.html | Docs Search 45 -90 mins | Collaboration Digital collaboration Document formatting Internet search | | | Yes |
| Explore a Topic: Technology, Ethics, and Security https://applieddigitalskills.withgoogle.com/c/middle-and-high-school/en/technology-ethics-and-security/overview.html | Docs Search Slides Sheets Sites 2 - 5 Hrs | Research technology risks and dangers, explore solutions, and create a report to communicate your findings. Communication Creating a report Researching a topic | Yes | | |
| Explore a Topic: Technology's Role in Current Events https://applieddigitalskills.withgoogle.com/c/middle-and-high-school/en/technologys-role-in-current-events/overview.html | Docs Search Slides Sheets Sites 2 - 5 hrs | Research a current event, like "social media and presidential elections," and create a report to communicate findings to classmates. Communication Creating a report Researching a topic | Yes | | |
| Explore a Topic: Equal Access to Technology https://applieddigitalskills.withgoogle.com/c/middle-and-high-school/en/equal-access-to-technology/overview.html | Docs Search Slides Sheets Sites 2 - 5 hrs | Research a topic related to technology access, and create a report to communicate your findings. Communication Creating a report Researching a topic | | | Yes |
| Collection Online Safety & Digital Wellbeing /collection (7 lessons) https://applieddigitalskills.withgoogle.com/c/en-uk/onlinesafety | 12-15 Hours | Explore - might be best to have some rather than all (cyberbullying on its own) is above | | | Yes |
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| | & Time | | | | |
|--|----------------------------|--|--|-----|-----|
| Collection 11 G Suite certification - no exam | 45 - 90 mins - each lesson | Explore - might be best to have some rather than all. Get students familiar with Googles online Office type Applications | | | Yes |
| Program a Progress Bar https://applieddigitalskills.withgoogle.com/c/middle-and-high-school/en/program-a-progress-bar/overview.html | 45 - 90 mins | Program a progress bar for a presentation using basic coding. App Script Search Slides | | Yes | |
| Create an Editing Tool with Programming https://applieddigitalskills.withgoogle.com/c/middle-and-high-school/en/create-an-editing-tool-with-programming/overview.html | 4 - 6 Hrs | Improve a writing assignment by creating an automated editing program with code. App Script Docs Slides | | | Yes |
| Understand Your Digital Footprint https://applieddigitalskills.withgoogle.com/c/middle-and-high-school/en/understand-your-digital-footprint/overview.html | 45 - 90 mins | Visualize your digital footprint by recording your online actions in a spreadsheet. Sheets | | | Yes |
| Build Healthy Digital Habits https://applieddigitalskills.withgoogle.com/c/middle-and-high-school/en/build-healthy-digital-habits/overview.html | 6 - 9 Hrs | Create a healthy technology balance by reflecting on digital habits with one of three creative projects. Docs Drawings Drive Sites Slides | | | Yes |
| Build your online business https://applieddigitalskills.withgoogle.com/c/college-and-continuing-education-uk/en-uk/build-your-online-business/overview.html | 6 - 9 Hrs | Docs Drawings Sites Slides | | | Yes |
| GameMaker | | Written and video tutorials for beginners and intermediate. | | | Yes |

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| https://www.yoyogames.com/learn | 12-15 Hours | Drag n Drop and GML language | | | |
| SoloLearn - Python https://www.sololearn.com/Course/Python/ | 6-9 Hours | Learn Python 3 Basics | | | Yes |
| Codecademy - Python https://www.codecademy.com/learn/learn-python | 12-15 Hours | Learn Python 2 (version 3 is paid for access and very little difference, recommend SoloLearn is completed first). | Yes | | |