



Code Art Lesson Plan

Aim

An introduction to creative coding and web design skills and the opportunity to learn more about jobs that use these skills.

Mapping

CES 'I Can' Statements	CMS Themes
<ul style="list-style-type: none"> ★ I can discuss the relevance of skills to the wider world and make connections between skills and the world of work ★ I can demonstrate and apply the skills I have learnt across the curriculum in relation to the world of work 	<ul style="list-style-type: none"> ★ Horizons

Learning Outcomes

Young people will:

- ★ Learn how to generate shapes using HTML and CSS code
- ★ Programme their own piece of art
- ★ Learn more about how programming is used creatively
- ★ Learn more about careers that use the skills you've used today

Activity on next page...



Instructions

Before you start

You will need access to a laptop or tablet and access to this website to complete the activity:

- ★ Access to the Code Art [video guide](#) (1)
- ★ Access to the Code Art Worksheet – you can print this off or view it on a screen
- ★ Access to the [Sololearn](#) (2) Website

Follow-up

The activity looks at roles in web development, the creative industries and an introduction to the creative aspects of programming.

[Software developer](#) (3), [Games Developer](#) (4), [Games Designer](#) (5),
[Software Engineer](#) (6), [Graphic designer](#) (7), [Systems Analyst](#) (8), [App Developer](#) (9)

They can find out about related apprenticeships on [Apprenticeships.scot](#) (10)

Foundation Apprenticeships – [Software Development](#) (11),
[Creative and Digital Media](#) (12), [Hardware and Systems Support](#) (13)

Modern Apprenticeships – [Engineering](#) (14), [IT and Telecommunications](#) (15)

Graduate Apprenticeships – [IT: Software Development](#) (16),
[Engineering: Design and Manufacture](#) (17), [Data Science](#) (18)

Website references

1. Code Art activity guide <https://bit.ly/3hyAb77>
2. Sololearn Code Playground <https://code.sololearn.com/#html>
3. Software Developer <https://bit.ly/2XdMKLJ>
4. Games Developer <https://bit.ly/3eJBmyt>
5. Games Designer <https://bit.ly/3cvxSxP>
6. Software Engineer <https://bit.ly/2U1pHmP>
7. Graphic Designer <https://bit.ly/2XRU8g9>
8. Systems Analyst <https://bit.ly/3009Rwl>
9. App Developer <https://bit.ly/2XoJC0Q>
10. Apprenticeships.scot <https://bit.ly/3cm9MFS>
11. Software Development Foundation Apprenticeship <https://bit.ly/2XqWbZG>
12. Creative and Digital Media Apprenticeship <https://bit.ly/36VI7L2>
13. Hardware and Systems Support Apprenticeship <https://bit.ly/3gKddcR>
14. Engineering Modern Apprenticeship <https://bit.ly/2AxFenv>
15. IT and Telecommunications Modern Apprenticeship <https://bit.ly/36U4Oim>
16. IT:Software Development Graduate Apprenticeship <https://bit.ly/36R8hhV>
17. Engineering: Design and Manufacture Modern Apprenticeship <https://bit.ly/2zXDhkf>
18. Data Science Modern Apprenticeship <https://bit.ly/2XXPTQa>