

Teaching Design Thinking with Digital Technologies: A free OpenLearn Create Course

A brief introduction

The online course *Teaching design thinking with digital technologies* is aimed at teachers or tutors at any level of education including primary, secondary, further and higher education. The course focuses on helping teachers to understand what design thinking is and how it can be used in teaching with the support of complementary digital technologies, which can enable easy and effective implementation of design thinking in both a physical and an online setting.



Figure 1 A screenshot of the Open Learn Course

By the end of the course you should be able to:

- Explain to your students what design thinking is and why the Exten.(D.T.)² Digital Design Thinking Model can help provide solutions to challenges they face in school, work or life.
- Demonstrate the added value of using digital technologies for design thinking activities.
- Experiment with digital technologies and reflect on which ones to use in design thinking projects.
- Use design thinking projects to help students identify and solve real-world problems they find relevant and meaningful.
- Develop an activity plan you can implement with your students next time you teach.

This course has been designed by the project [Extending Design Thinking with Emerging Digital Technologies Exten.\(D.T.\)²](#). The project has been co-funded by Horizon Europe and Innovate UK and involves partners from Sweden, UK, Greece, Norway, Belgium, and Ireland.

Note: The course activities are practical in nature and involve tasks such as downloading files to your device, creating a set of commands and manipulating different web applications to produce artefacts. Even though mobile devices such as phones, tablets, iPads, etc can be used to complete the course, teachers are encouraged to use a computer with a standard desktop operating system such as a PC or Mac (or laptop version of these) when engaging with the activities to enable a more accessible and user-friendly learning experience.

Expected participants: Primary, secondary, further and higher education teachers or tutors

Course Link: www.open.edu/openlearncreate/ExtenDT2

Time required for course completion: 12 hours

What you will achieve upon completion:

- A certificate of completion
- A digital badge
- Knowledge on and skills in integrating design thinking activity assisted by emerging technologies in pedagogy
- Knowledge on and skills in using some emerging technologies such as a survey tool, a tool to develop online games to tackle socio-scientific issues, create and print 3D models and design virtual robotics.

Cost: We offer this course at no cost.

Assessment model:

There is no formal assessment; however, to be eligible to earn a certificate of completion, you need to achieve a score of 80% or higher on an end quiz. The quiz comprises a set of questions that tests your knowledge and understanding on teaching design thinking with emerging digital technologies. Also, there are some inline reflective questions on the course that trigger you to reflect on the course materials.

How to enrol:

1. **Click on the course link** www.open.edu/openlearncreate/ExtenDT2, you will land on the following page:

Sign in to the OU website

Sign in

Username

Your username is one of:

- The email address you signed up with
- Your OU Computer username e.g. ab123. For OU students your OUCU will be the start of your @ou.ac.uk email address. E.g. ab123@ou.ac.uk
- If you're an OU student, the email address the university uses to communicate with you.

Please note you cannot use your Personal Identifier e.g. A1234567.

Password

[You can reset your password here.](#)

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Surname*	Surname
Date of birth (DD/MM/YYYY)*	DD MM YYYY
Email address*	Email address
Retype email address*	Retype email address
Phone number	Phone number
Password*	Password

5. Submit the form.

Password*

Retype password*

Please read our [terms and conditions](#).

☐ I accept the terms and conditions*

Your contact preferences

We would love to have you as part of our university community; we have lots to tell you about, including important information relating to OU study. We may contact you by email, phone, text or post. We also use your data to tailor the digital advertising you see from us across websites and social media.

Can we stay in touch?* ☐ Yes ☐ No

The OU promises never to sell your data to anyone else. Of course, **you can unsubscribe or change your preferences at any time**. We may also occasionally invite you to take part in market research.

For more details about how we use your data, see our [privacy policy \(opens in a new tab\)](#).

6. You will see the following page. Click on 'Sign in to OpenLearn Create' option



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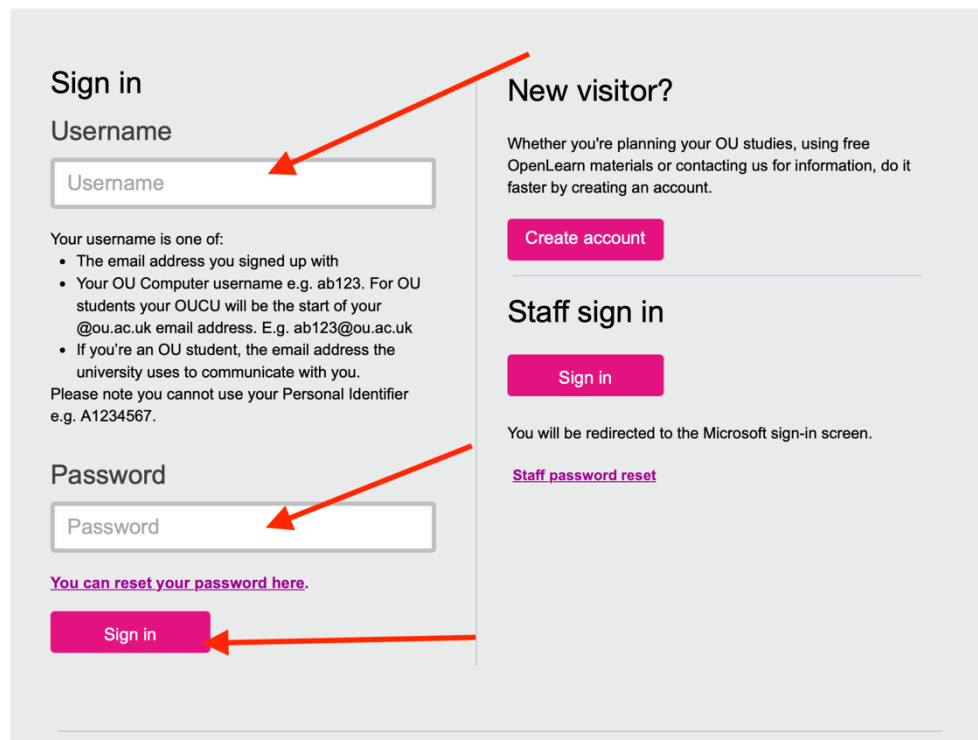
Your contact preferences have been recorded as requested.

We value your privacy, and promise never to sell your data to anyone else.

You can manage your preferences in [your account](#). If you don't have an OU account, you can still [change your preferences at any time](#). For more information on managing contact preferences and how we look after your personal information, please read our [privacy policy](#).

7. Sign in to the OU website using the username and password you used while filling in the form and click on 'sign in'.

Sign in to the OU website



Sign in

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- If you're an OU student, the email address the university uses to communicate with you.

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[Staff password reset](#)

8. After you sign in, you will see the following page.



9. Now, on a new window, browse the link www.open.edu/openlearncreate/ExtenDT2. You will see the following page. Click on 'Enrol now'.

Home
My Profile

Course

Teaching design thinking with digital technologies

By enrolling on this course you understand that your name, email address and grades are made available in the course data reports to a third party course owner (non-Open University), who has signed a declaration confirming they comply with the General Data Protection Rules for data handling. Please see the [Terms and Conditions of Use](#) and [Privacy Conditions for OpenLearn Create](#) for further details about how your personal data is protected by The Open University and third party data controllers.

Jump straight in and start this course. [Enrol now](#)

About this course

12 hours study

Level 1: Introductory

Gain a digital badge

Ratings ☆☆☆☆☆

0 out of 5 stars

Get recognition for your learning

Enrol to access the full course, track your progress and on completion gain a free statement of participation / badge(s).

[Enrol now](#)

10. You will land on this page. You will be asked to confirm your enrollment, so, click on 'Enrol me' one more time.

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Exten DT²

Teaching design thinking with digital technologies

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11. Finally, you will be landing on the following page which means you are ready to go through course materials.

Course

Teaching design thinking with digital technologies

You're on this course ✓



About this course

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- 1 Level 1: Introductory
- 🏆 Gain a digital badge

Ratings ☆☆☆☆☆

0 out of 5 stars

You're on this course

You can download or print an Activity Record at any point during this course. If you complete all sections you will gain a free 'Statement of Recognition' (badge(s)). These

Best wishes for a successful completion!
Should you have any further questions, please contact at
extendt2@gmail.com.