

# Understanding by Design Technology Template

(Workshop on Massive Open Online Courses/ Adults & Teens/ All levels/ Majd Alomar)

<b>Content</b>	<b>Technology</b>
<b>Stage 1</b>	<b>Desired Results</b>
<p><b>Standard(s) (Content):</b></p> <ol style="list-style-type: none"> <li>1. <b>Students learn about MOOCs.</b> <ul style="list-style-type: none"> <li>• Students will describe MOOCs.</li> <li>• Students will classify MOOC platforms.</li> <li>• Students will analyze the best learning practices and worst learning practices in MOOCs.</li> </ul> </li> <li>2. <b>Students will listen to a discussion led by Hamza Al-Kindi an experienced MOOC student from Pakistan.</b> <ul style="list-style-type: none"> <li>• Students will discuss the guest speaker’s experience and write 3-5 recommendations for a successful MOOC experience.</li> <li>• Students will discuss the difficulties that are faced on a MOOC learning environment.</li> </ul> </li> <li>3. <b>Students demonstrate their knowledge and participate in a MOOC</b> <ul style="list-style-type: none"> <li>• Students search for a course of their choice.</li> <li>• Students sign up for the course.</li> <li>• Students actively participate in that course.</li> </ul> </li> <li>4. <b>Students will use online collaborative tools</b></li> </ol>	<p><b>ISTE Technology Student Standard(s):</b></p> <ol style="list-style-type: none"> <li>2. <b>Communication and Collaboration</b> Communicate information and ideas effectively to multiple audiences using a variety of media and formats.</li> <li>3. <b>Research and Information Fluency</b> <ol style="list-style-type: none"> <li>a. Plan strategies to guide inquiry.</li> <li>b. Locate, organize, analyze, evaluate, synthesize, and ethically use information from a variety of sources and media.</li> </ol> </li> <li>4. <b>Critical Thinking, Problem Solving, and Decision Making</b> <ol style="list-style-type: none"> <li>a. Identify and define authentic problems and significant questions for investigation.</li> <li>b. Plan and manage activities to develop a solution or complete a project.</li> </ol> </li> <li>5. <b>Digital Citizenship</b> <ol style="list-style-type: none"> <li>a. Advocate and practice safe, legal, and responsible use of information and technology.</li> <li>b. Exhibit a positive attitude toward using technology that supports collaboration, learning, and productivity.</li> </ol> </li> <li>6. <b>Technology Operations and Concepts</b></li> </ol>

- Students will create and collaborate on a document or a presentation using Google Drive.
- Students will create a videoconference using Google Hangout and share the discussion with the rest of the class.
- Students will collaborate together to build an online community using Google Plus.

**b.** Select and use applications effectively and productively.

### **NETS Technology Teacher Standard(s):**

#### **1. Facilitate and Inspire Student Learning and Creativity**

**Teachers use their knowledge of subject matter, teaching and learning, and technology to facilitate experiences that advance student learning, creativity, and innovation in both face-to-face and virtual environments.**

1. Promote, support, and model creative and innovative thinking and inventiveness.
2. Engage students in exploring real-world issues and solving authentic problems using digital tools and resources.
3. Promote student reflection using collaborative tools to reveal and clarify students' conceptual understanding and thinking, planning, and creative processes.
4. Model collaborative knowledge construction by engaging in learning with students, colleagues, and others in face-to-face and virtual environments.

#### **3. Model digital age work and Learning**

**Teachers exhibit knowledge, skills, and work processes representative of an innovative professional in a global and**

	<p><b>digital society.</b></p> <ol style="list-style-type: none"> <li>1. Demonstrate fluency in technology systems and the transfer of current knowledge to new technology.</li> <li>2. Collaborate with students, peers, parents, and community members using digital tools and resources to support student success and innovation.</li> </ol> <p><b>4. Promote and Model Digital Citizenship and Responsibility</b></p> <p><b>Teachers understand local and global societal issues and responsibilities in an evolving digital culture and exhibit legal and ethical behavior in their professional practices.</b></p> <ol style="list-style-type: none"> <li>1. Advocate, model, and teach safe, legal, and ethical use of digital information and technology, including respect for copyright, intellectual property, and the appropriate documentation of sources.</li> <li>2. Promote and model digital etiquette and responsible social interactions related to the use of technology and information.</li> </ol>
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<p><b>Understanding(s) (Content):</b>  <i>Students will understand...</i></p> <ul style="list-style-type: none"> <li>• Online teamwork best practices.</li> <li>• Online teamwork worst practices.</li> <li>• The importance of MOOCs in networking and forming global relationships with people who share similar interests.</li> </ul>	<p><b>Understanding(s) (Technology):</b>  <i>Students will understand...</i></p> <ul style="list-style-type: none"> <li>• The different platforms used for MOOC.</li> <li>• Technology can be used to solve problems.</li> <li>• Technology can be used to meet people who share similar interests.</li> </ul>
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	<ul style="list-style-type: none"> <li>• Technology can be used for collaborative learning.</li> <li>• Technology can be used to enhance and showcase creativity.</li> </ul>
<p><i>Students will know...</i></p> <ul style="list-style-type: none"> <li>• The wide variety of MOOCs available online for free.</li> <li>• How to search for a MOOC.</li> <li>• How to sign up for a MOOC.</li> <li>• How to collaborate with an online team.</li> <li>• How to manage an online team.</li> </ul>	<p><i>Students will know...</i></p> <ul style="list-style-type: none"> <li>• How to use Google drive.</li> <li>• How to use Google plus.</li> <li>• How to use Google hangouts.</li> </ul>
<p><i>Students will be able to...</i></p> <ul style="list-style-type: none"> <li>• Search for a MOOC.</li> <li>• Sign up for a MOOC.</li> <li>• Create and manage an online team.</li> <li>• Participate in an online team.</li> <li>• Collaborate with an online team.</li> </ul>	<p><i>Students will be able to...</i></p> <ul style="list-style-type: none"> <li>• Collaborate with others using Google Drive.</li> <li>• Host an online videoconference using Google Hangout.</li> <li>• Collaborate with others using Google Plus.</li> </ul>
<p><b>Essential Question(s) (Content):</b></p> <ul style="list-style-type: none"> <li>• What is a MOOC?</li> <li>• How can students benefit from MOOCs?</li> <li>• What type of MOOCs are there?</li> <li>• What are xMOOCs and cMOOCs?</li> <li>• What are the recommendations from the experts for a successful MOOC experience?</li> <li>• What are the online tools that assist in online team collaboration?</li> </ul>	<p><b>Essential Question(s) (Technology):</b></p> <ul style="list-style-type: none"> <li>• What are the different types of MOOC platforms?</li> <li>• What are the online tools that can help with online team collaboration?</li> </ul>
<b>Stage 2</b>	
<b>Assessment Evidence</b>	
<p><b>Performance Task(s) (Content):</b></p> <p>Students will follow the teachers instructions by firstly:</p> <ul style="list-style-type: none"> <li>• Students will listen to the overview</li> </ul>	<p><b>Performance Task(s) (Technology):</b></p> <ul style="list-style-type: none"> <li>• Students sign up for a MOOC and join an online team.</li> <li>• Students will use Google Drive,</li> </ul>

<ul style="list-style-type: none"> <li>• Students will engage with Mr. Hamza Al-Kindi who will be joining the discussion via Zoom</li> <li>• Students will work collaboratively with their group to answer content questions.</li> </ul>	<p>Google Plus and Google Hangout.</p>
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<p><b>Other Evidence (Content):</b></p> <ul style="list-style-type: none"> <li>• Students will showcase their interest and display their creativity.</li> <li>• Students will meet new people and make new friends.</li> <li>• Students will be exposed to a diverse online learning community.</li> <li>• Students will collaborate with other people from diverse backgrounds, cultures and a range of different ages.</li> </ul>	<p><b>Other Evidence (Technology):</b></p> <ul style="list-style-type: none"> <li>• Students will submit a document or presentation, which they have created using Google Docs, or Google Slides.</li> <li>• Students will show a recording of a video conference that they have started using Google Hangouts</li> <li>• Students will show evidence of collaboration and communication on Google Plus.</li> </ul>
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<b>Stage 3</b>	<b>Learning Plan</b>
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<p><b>Learning Activities (Content):</b></p> <p>This workshop will be given as an intensive one-day workshop. Students are expected to bring their own laptops.</p> <p>The workshop will take place in three hours and contains the following tasks:</p> <p><b>Task 1:</b> The instructor will give an overview of MOOCs using a powerpoint presentation, The class watch a video on Ted Talk and then they will how they can benefit from MOOCs and which MOOC they may be interested in taking.</p> <p><b>Task 2:</b> Students will engage in a discussion with Mr. Hamza Al-Kindi via Zoom. Mr. Al-Kindi will talk about his experience in taking MOOCs.</p>	<p><b>Learning Activities (Technology):</b></p> <p><b>Task1:</b> Students will search for a MOOC. Students will be given four MOOC platforms to begin their search these are: Coursera, edX, Udacity and Novoed. First the participants will search for a MOOC of their interest. Then, they will sign up for that MOOC and explore the course.</p> <p><b>Task2:</b> Students will sign up for Google Drive. They will then collaborate with their group using Google Docs or Google Slides to write a summary of the benefits of MOOCs for education and professional development.</p> <p><b>Task 3:</b> Students will set up an account on Google</p>
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Hangout and record a video-conference where they discuss the best learning practices on a collaborative online learning environment. The groups will then share their recordings with the rest of the class.

**Task 4:**

Students will collaborate together using Google Plus. Each participant will write a post which includes the name of the MOOC that they are interested in taking when it will be published and why they have chosen that MOOC. They must reply to everyone in their group to form an engaging Google Plus Community.