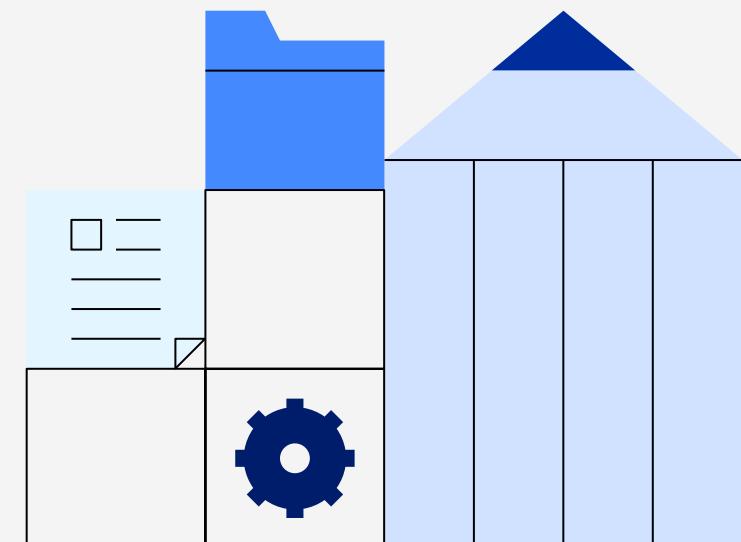


Design Thinking Curriculum Map

How to Use:

This tool can be used in a number of different ways as you implement IBM SkillsBuild in your organization.

1. You can use this curriculum map as a way to compare it to the curriculum at your organization by finding common student goals and then having students complete those activities. The “local standards” column is left blank for you to write in any standards that are covered by that IBM SkillsBuild activity.
2. Use this map as you build out learning plans using IBM SkillsBuild’s Learning Builder.
3. Utilize this map in your daily lesson planning.
4. Sessions can be taken in sequential order or out of order based on the goals you have for your students.
5. Sessions are broken down into smaller, teachable time chunks. Sessions could easily be combined based on your needs.
6. Use this to easily find supporting teacher lesson plans and additional resources for learning activities.
7. Scan the student goals or student objectives with a specific skill or outcome in mind to determine which aligning activities to have them complete.



Session	Student Goals	Local Standards Addressed	IBM SkillsBuild course	Student Objectives	Learning Activities	Estimated Time	Assessment	Teacher Resources
1	Students will learn about the impact design thinking is making on the relationship between people and machines. Students will learn the revolutionary principles behind design thinking and what makes good design “human-centered.”	(varies by state and organization)	What is Design Thinking?	<p>Students will understand the importance of user-centered design</p> <p>Students will strengthen their empathy skills to understand users and their needs.</p> <p>Students will be able to build a new point of view from a user's perspective as a starting point for building a solution.</p>	What is Design Thinking Introduction Creative Problem Solving What is Empathy All About? User-centered design Embrace the principals, the loop, and the keys	40 mins	Mini Quiz	
2	Students will learn about the impact design thinking is making on the relationship between people and machines. Students will learn the revolutionary principles behind design thinking and what makes good design “human-centered.”		What is Design Thinking?	<p>Students will understand the importance of user-centered design</p> <p>Students will strengthen their empathy skills to understand users and their needs.</p> <p>Students will be able to build a new point of view from a user's perspective as a starting point for building a solution.</p>	What is Design Thinking User-centered design	60 mins		Design Thinking Lesson 1: User-centered design
3	Students will explore how design thinking works in practice.		How is Design Thinking Used?	<p>Students will learn how design thinking works in practice.</p> <p>Students will explore the activities that make up design thinking workshops.</p> <p>Students will learn about the types of tools and methods used to support design thinking workshop activities.</p>	How is Design Thinking Used? Introduction How to apply design thinking Activities to focus your team Activities for exploring user-centered design Design thinking tools and resources	65 mins	Mini Quiz	

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4	Students will explore how design thinking works in practice.		How is Design Thinking Used?	<p>Students will learn how to use brainstorming to build ideas.</p> <p>Students will design a skills-strengthening plan to apply during the school year.</p>	How is Design Thinking Used How to apply design thinking	60 mins		Design Thinking Lesson Two: Brainstorming
5	Students will learn how to apply design thinking.		IBM and Design Thinking	<p>Students will become familiar with concepts like collaboration, brainstorming, and problem solving.</p> <p>Students will learn how people use design thinking in the workplace.</p> <p>Students will learn how to apply design thinking principles to aspects of their own life.</p>	IBM and Design Thinking Introduction Design thinking at work The value of design thinking Careers that use design thinking Develop your design thinking skills	20 mins		
6	Students will become familiar with design thinking concepts through terminology.			Students will be able to define Design Thinking terminology.	Experiences and Design Thinking An Overview of Enterprise Design Thinking	90 mins		Design Thinking Practitioner Lesson 1: Introduction
7	Students will gain a foundational knowledge on Enterprise Design Thinking. Students will also get access to the tools they need to practice human-centered design every day.		Enterprise Design Thinking Practitioner (course and badge)	<p>Students will learn what design thinking is and why creating experiences matters.</p> <p>Students will learn the framework of Design Thinking .</p> <p>Students will see examples of teams successfully using Enterprise Design Thinking to solve complex problems and gear up for the rest of the course.</p>	Enterprise Design Thinking Practitioner (eCourse and badge) Introduction Lesson 1: Design thinking is for everyone Lesson 2: Put the “enterprise” in Enterprise Design Thinking Lesson 3: Prepare yourself	40 mins		

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8	Students will gain a foundational knowledge on Enterprise Design Thinking. Students will also get access to the tools they need to practice human-centered design every day.		Enterprise Design Thinking Practitioner (Earn the badge)	<p>Students will implement the process of determining a unique human-centered problem.</p> <p>Students will understand the value of building empathy to discover deeper needs.</p> <p>Students will understand the power of collaboration in generating ideas.</p> <p>Students will value brainstorming rules: building on other's ideas, respecting other's ideas, deferring judgment on ideas.</p> <p>Students will interview users to better understand specific challenges of a target audience and develop a solution.</p> <p>Students will organize and develop presentations tailored to purpose and audience.</p>	<p>Enterprise Design Thinking Practitioner (Earn the badge)</p> <p>A focus on user outcomes</p> <p>Lesson 4: Identify your users and their problems</p> <p>Lesson 5:</p> <p>Recognize your assumptions</p> <p>Lesson 6: Observe to learn more</p>	90 mins		Designer Thinking Practitioner Lesson 2: Focus on User Outcome
9	Students will gain a foundational knowledge on Enterprise Design Thinking. Students will also get access to the tools they need to practice human-centered design every day.		Enterprise Design Thinking Practitioner (Earn the badge)	<p>Students will learn how viewing everything as a prototype is the key to breaking out of the status quo.</p> <p>Students will practice coming up with creative ideas and learn how absurdity can accelerate team brainstorming.</p> <p>Students will learn how incremental changes mitigate risk.</p>	<p>Enterprise Design Thinking Practitioner (Earn the badge)</p> <p>Restless Reinvention</p> <p>Lesson 7: Bias toward action</p> <p>Lesson 8: Actively seek great ideas</p> <p>Lesson 9: Take risks</p>	45 mins		Design Thinking Practitioner Lesson 3: Restless Reinvention

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10	Students will gain a foundational knowledge on Enterprise Design Thinking. Students will also get access to the tools they need to practice human-centered design every day.		Enterprise Design Thinking Practitioner (Earn the badge)	<p>Students will learn how diverse perspectives can elevate the quality of their work.</p> <p>Students will understand the value of alignment.</p> <p>Students will learn how to share their work in progress.</p>	Enterprise Design Thinking Practitioner (Earn the badge) Diverse Empowered Teams Lesson 10: Include a variety of voices Lesson 11: Build alignment across your team Lesson 12: Start sharing stories	60 mins		Design Thinking Practitioner Lesson 4: Diverse empowered teams
11	Students will gain a foundational knowledge on Enterprise Design Thinking. Students will also get access to the tools they need to practice human-centered design every day.		Enterprise Design Thinking Practitioner (Earn the badge)	<p>Students will learn about problem statements and craft one to frame their own work in terms of user outcomes.</p> <p>Students will learn how to evaluate a problem.</p> <p>Students will begin to build a problem statement.</p>	Enterprise Design Thinking Practitioner (Earn the badge) Make a Plan Lesson 13: What about tomorrow? Lesson 14: Put it all together	60 mins		Design Thinking Practitioner Lesson 5: Make a Plan
12	Students will apply fundamental design thinking concepts and strategies into practice and create a sample solution.			<p>Students will understand the design thinking process.</p> <p>Students will use design thinking to address a selected issue.</p>	Design Thinking Workshop IBM Activity Kit Lesson Plan	60 mins		Design Thinking Workshop IBM Activity Kit Lesson Plan