KING HUSSEIN FOUNDATION مؤسسة الملك الحسين
JUBILEE INSTITUTE معهد اليوبيل

AI & STEM

INNOVATION BEYOND INTEGRATION

Overview

STEM (Science, Technology, Engineering and Mathematics) is an approach to learning that enhances the students' attainability for better achievements in STEM fields. Nowadays, AI is becoming a priority in the school curriculum. Yet, the integration of AI and STEM is evident to be the best approach for teaching it. In AI & STEM, learners will be exposed to a cohesive learning paradigm they will have the skills, knowledge and thinking strategies to be innovative and creative problem solvers and engage families, educators and communities in authentic learning experiences.

15 Hours

For Educators, Computing and STEM Teachers

+962 778 471 489
+962 798 495 282
(Phone & Whatsapp)

www.jcee.edu.jo

training@jcee.edu.jo
jcee@jubilee.edu.jo

CPD CERTIFIED
The CPD Certification Service

AI Quintessential

AI & STEM
Innovation Beyond Integration

Module 1 (Day 1)

	Ice-breaker activity
	Key concepts and practices (Day 1)
	Introduction to the Workshop Portfolio (A guide on how to develop a learning portfolio with examples)
	Workshop Takeaways
	What is STEM?
	Exploring the power of STEM Education
	Activity: STEM Education Models (Exploratory, Introductory, Partial Immersion, Full Immersion)
	Standards for Learners, Educators, and Experiences
	Discussion: STEM Educator: What do you need know about STEM Education?
	Applications of STEM in Schools: Best Practices
	How to become a STEM School
	Activity: The main Components of STEM Curriculum
	AI & STEM: The Perfect Match
	Activity: AI & STEM basics (Guided Project)
	Update the workshop portfolio
	Wrapping up Day 1

Module 2 (Day 2)

	Warm-up activity (Day 2)
	Key concepts and practices
	Ways AI & STEM Increase the Quality of Learning
	Innovation Beyond Integration
	Innovation Curriculum Standards
	Discussion: Where do AI & STEM stand in the Innovation Curriculum
	Activity: Exploring Innovation Curriculum Aspects
	Developing AI & STEM Project
	Activity: Develop an AI & STEM project
	Assessment of AI & STEM Projects
	Activity: Develop an Assessment Rubric
	Update the workshop portfolio
	Wrapping up Day 2

Module 3 (Day 3)

	Warm-up activity (Day 3)
	Key concepts and practices (Day 3)
	Activity: Contextual SWOT Analysis
	Discission: Challenges of STEM Education
	AI & STEM: Project Based Learning Approach
	Guided and Unguided Projects
	Activity: Create a Guided AI & STEM Project
	Presentation & Open Discussion
	Activity: Create an Unguided AI & STEM Project
	Presentation & Open Discussion
	Career Pathways
	Community Involvement: Stakeholders' Role
	Learners' Voice
	Wrapping up: Finalize and submit the workshop portfolio
	Workshop Feedback