

21st Century Skills: Mobile Game Design

			Module 1	Module 2	Module 3	Module 4	Module 5	Module 6	Module 7	Module 8		
LEARNING AND INNOVATION SKILLS	1 Creativity and Innovation	1.A Think Creatively	1.A.1 Use a wide range of idea creation techniques (such as brainstorming)		x	x	x	x	x	x	x	
			1.A.2 Create new and worthwhile ideas (both incremental and radical concepts)		x	x	x	x	x	x	x	
			1.A.3 Elaborate, refine, analyze, and evaluate their own ideas in order to improve and maximize creative efforts		x	x	x	x	x	x	x	
		1.B Work Creatively with Others	1.B.1 Develop, implement, and communicate new ideas to others effectively.		x	x	x	x	x	x	x	x
			1.B.2 Be open and responsive to new and diverse perspectives		x	x	x	x	x	x	x	x
			1.B.3 Incorporate group input and feedback into the work		x	x	x	x	x	x	x	x
			1.B.4 Demonstrate originality and inventiveness in work and understand the real world limits to adopting new ideas		x	x	x	x	x	x	x	x
			1.B.5 Understand that creativity and innovation are long-term, cyclical processes of small success and frequent challenges	x	x	x	x	x	x	x	x	x
			1.C Implement Innovations	1.C.1 Act on creative ideas to make a tangible and useful contribution to the field in which the innovation will occur		x	x	x	x	x	x	x
	2 Critical Thinking and Problem Solving	2.A Reason Effectively	2.A.1 Use various types of reasoning (inductive, deductive, etc.) as appropriate to the situation.		x	x	x	x	x	x	x	
			2.B Use Systems Thinking	2.B.1 Analyze how parts of a whole interact with each other to produce overall outcomes in complex systems		x	x	x	x	x	x	x
		2.C Make Judgments and Decisions	2.C.1 Effectively analyze and evaluate evidence, arguments, claims, and beliefs	2.C.1	x	x	x	x	x	x	x	x
				2.C.2 Analyze and evaluate major alternative points of view			x	x	x	x	x	x
			2.C.3 Synthesize and make connections between information and arguments			x	x	x	x	x	x	
			2.C.4 Interpret information and draw conclusions based on the best analysis		x	x	x	x	x	x	x	
			2.C.5 Reflect critically on learning experiences and processes		x	x	x	x	x	x	x	
			2.D.1 Solve different kinds of non-familiar problems in both conventional and innovative ways	2.D.1		x	x	x	x	x	x	x
				2.D.2 Identify and ask significant questions that clarify various points of view and lead to better solutions				x	x	x	x	x

INFORMATION, MEDIA, AND TECHNOLOGY SKILLS	3 Communication and Collaboration	3.A Communicate Clearly	3.A.1 Articulate thoughts and ideas effectively using oral, written, and nonverbal communication skills in a variety of forms and contexts	x	x	x	x	x	x	x	x
			3.A.2 Listen effectively to decipher meaning, including knowledge, values, attitudes, and intentions	x		x	x	x	x	x	x
			3.A.3 Use communication for a range of purposes (e.g. to inform, instruct, motivate, and persuade)	x		x	x		x	x	x
			3.A.4 Utilize multiple media and technologies, understanding their impact	x	x	x	x	x	x	x	x
			3.A.5 Communicate effectively in diverse environments (including multi-lingual)			x	x		x	x	x
		3.B Collaborate with Others	3.B.1 Demonstrate ability to work effectively and respectfully with diverse teams			x	x	x	x	x	x
	3.B.2 Exercise flexibility and willingness to be helpful in making necessary compromises to accomplish a common goal		x	x	x	x	x	x	x	x	
	3.B.3 Assume shared responsibility for collaborative work, and value the individual contributions made by each team member				x	x	x	x	x	x	
	4 Information Literacy	4.A Access and Evaluate Information	4.A.1 Access information efficiently (time) and effectively (sources)	x	x	x	x	x	x	x	x
			4.A.2 Evaluate information critically and competently	x		x	x	x	x	x	x
		4.B Use and Manage Information	4.B.1 Use information accurately and creatively for the issue or problem at hand	x	x	x	x	x	x	x	x
			4.B.2 Manage the flow of information from a wide variety of sources	x					x	x	x
4.B.3 Apply a fundamental understanding of the ethical/legal issue surrounding the access and use of information			x					x	x	x	
5 Media Literacy	5.A Analyze Media	5.A.1 Understand both how and why media messages are constructed, and for what purposes	x				x	x	x	x	
		5.A.2 Examine how individuals interpret messages differently, how values and points of view are included or excluded, and how media can influence beliefs and behaviors			x		x	x	x	x	
		5.A.3 Apply a fundamental understanding of the ethical/legal issues surrounding the access and use of media						x	x	x	
	5.B Create Media Products	5.B.1 Understand and utilize the most appropriate media creation tools, characteristics, and conventions	x	x	x	x	x	x	x	x	
		5.B.2 Understand and effectively utilize the most appropriate expressions and interpretations in diverse, multi-cultural environments							x	x	
6. Information, Media, and Technology Skills		6.A.1 Use technology as a tool to research, organize, evaluate, and communicate information	x	x	x	x	x	x	x	x	

	6 ITC Literacy (Info Communication Technology)	6.A Apply Technology Effectively	6.A.2 Use digital technologies (computers, PDAs, media players, GPS, etc.), communication/networking tools, and social networks appropriately to access, manage, integrate, evaluate, and create information to successfully function in a knowledge economy	x	x	x	x	x	x	x	x	
			6.A.3 Apply a fundamental understanding of the ethical/legal issues surrounding the access and use of information technologies	x	x	x	x	x	x	x	x	x
AND CAREER SKILLS	7 Flexibility and Adaptability	7.A Adapt to Change	7.A.1 Adapt to varied roles, jobs responsibilities, schedules, and contexts	x	x	x	x	x	x	x	x	
			7.A.2 Work effectively in a climate of ambiguity and changing priorities		x	x	x	x	x	x	x	
		7.B Be Flexible	7.B.1 Incorporate feedback effectively		x	x	x	x	x	x	x	
			7.B.2 Deal positively with praise, setbacks, and criticism		x	x	x	x	x	x	x	
			7.B.3 Understand, negotiate, and balance diverse views and beliefs to reach workable solutions, particularly in multi-cultural environments				x	x	x	x	x	x
	8 Initiative and Self-Direction	8.A Manage Goals and Time	8.A.1 Set goals with tangible and intangible success criteria	x	x	x	x	x	x	x	x	
			8.A.2 Balance tactical (short-term) and strategic (long-term) goals	x	x	x	x	x	x	x	x	
			8.A.3 Utilize time and manage workload efficiently	x	x	x	x	x	x	x	x	
		8.B Work Independently	8.B.1 Monitor, define, prioritize, and complete tasks without direct oversight	x	x	x	x	x	x	x	x	
		8.C Be Self-directed Learners	8.C.1 Go beyond basic mastery of skills and/or curriculum to explore and expand one's own learning and opportunities to gain expertise		x	x	x	x	x	x	x	
			8.C.2 Demonstrate initiative to advance skill levels towards a professional level		x	x	x	x	x	x	x	
			8.C.3 Demonstrate commitment to learning as a lifelong process						x	x	x	
			8.C.4 Reflect critically on past experiences in order to inform future progress		x	x	x	x	x	x	x	
	9 Social and Cross-Cultural Skills	9.A Interact Effectively with Others	9.A.1 Know when it is appropriate to listen and when to speak	x		x			x	x	x	
			9.A.2 Conduct themselves in a respectable, professional manner			x			x	x	x	
		9.B Work Effectively in Diverse Teams	9.B.1 Respect cultural differences and work effectively with people from a range of social and cultural backgrounds			x	x		x	x	x	
			9.B.2 Respond open-mindedly to different ideas and values	x	x	x	x	x	x	x	x	

LIFE 7	9 So		9.B.3 Leverage social and cultural differences to create new ideas and increase both innovation and quality of work							x	x	x
	10 Productivity and Accountability	10.A Manage Projects	10.A.1 Set and meet goals, even in the face of obstacles and competing pressures	x	x	x	x	x	x	x	x	x
			10.A.2 Prioritize, plan, and manage work to achieve the intended result	x	x	x	x	x	x	x	x	
		10.B Produce Results	10.B.1 Demonstrate additional attributes associated with producing high quality products including the <i>ability to work positively and ethically</i>		x	x	x	x	x	x	x	x
			10.B.2 Demonstrate additional attributes associated with producing high quality products including the <i>ability to manage time and projects effectively</i>		x	x	x	x	x	x	x	
			10.B.3 Demonstrate additional attributes associated with producing high quality products including the <i>ability to multi-task</i>		x	x	x	x	x	x	x	
			10.B.4 Demonstrate additional attributes associated with producing high quality products including the <i>ability to participate actively, as well as be reliable and punctual</i>		x	x	x	x	x	x	x	
			10.B.5 Demonstrate additional attributes associated with producing high quality products including the <i>ability to present oneself professional and with proper etiquette</i>		x	x				x	x	x
			10.B.6 Demonstrate additional attributes associated with producing high quality products including the <i>ability to collaborate and cooperate effectively with teams</i>		x	x				x	x	x
			10.B.7 Demonstrate additional attributes associated with producing high quality products including the <i>ability to respect and appreciate team diversity</i>		x	x				x	x	x
			10.B.8 Demonstrate additional attributes associated with producing high quality products including the <i>ability to be accountable for results</i>	x	x	x				x	x	x
	11 Leadership and Responsibility	11.A Guide and Lead Others	11.A.1 Use interpersonal and problem-solving skills to influence and guide others toward a goal	x	x	x				x	x	x
			11.A.2 Inspire others to reach their very best via example and selflessness		x	x	x	x		x	x	x
			11.A.3 Demonstrate integrity and ethical behavior in using influence and power		x	x				x	x	x
		11.B Be Responsible to Others	11.B.1 Act responsibly with the interest of the larger community in mind		x	x				x	x	x