

21st Century Skills: Evolution of Games

		Module 1	Module 2	Module 3	Module 4	Module 5	Module 6	Module 7	Module 8	Module 9	Module 10	Module 11	Module 12	Module 13	Module 14	
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	
		1.A.2 Create new and worthwhile ideas (both incremental and radical concepts)		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					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
		1.B.2 Be open and responsive to new and diverse perspectives		X	X			X	X		X					X
		1.B.3 Incorporate group input and feedback into the work		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		X	
1.B.5 Understand that creativity and innovation are long-term, cyclical processes of small success and frequent challenges								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	
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	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	X	X	
	2.C Make Judgments and Decisions	2.C.1 Effectively analyze and evaluate evidence, arguments, claims, and beliefs			X	X	X	X			X	X				X
		2.C.2 Analyze and evaluate major alternative points of view		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				
		2.C.5 Reflect critically on learning experiences and processes	X	X	X		X	X	X		X					X
		2.D.1 Solve different kinds of non-familiar problems in both conventional and innovative ways			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				

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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							
		4.A.2 Evaluate information critically and competently		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			
		4.B.2 Manage the flow of information from a wide variety of sources	x		x	x	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								
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				x
5.B.2 Understand and effectively utilize the most appropriate expressions and interpretations in diverse, multi-cultural environments					x	x		x	x							x	
6 ITC Literacy (Information, Communications, and	6. A Apply Technology Effectively	6.A.1 Use technology as a tool to research, organize, evaluate, and communicate information		x	x	x	x	x									
		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						
		6.A.3 Apply a fundamental understanding of the ethical/legal issues surrounding the access and use of information technologies						x	x								

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7 Flexibility and Adaptability	7.A Adapt to Change	7.A.1 Adapt to varied roles, job responsibilities, schedules, and contexts							x		x	x				x	
		7.A.2 Work effectively in a climate of ambiguity and changing priorities			x	x						x				x	
	7.B Be Flexible	7.B.1 Incorporate feedback effectively		x	x					x	x	x	x		x		x
		7.B.2 Deal positively with praise, setbacks, and criticism								x		x	x		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	x
		8.A.2 Balance tactical (short-term) and strategic (long-term) goals		x				x							x		x
		8.A.3 Utilize time and manage workload efficiently	x	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
	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 opportModules to gain expertise		x	x	x	x			x	x		x		x	x	x
		8.C.2 Demonstrate initiative to advance skill levels towards a professional level						x									x
8.C.3 Demonstrate commitment to learning as a lifelong process										x	x	x					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		x	x	
		9.A.2 Conduct themselves in a respectable, professional manner									x	x	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		x
				x												x	
								x								x	

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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		x		
		10.A.2 Prioritize, plan, and manage work to achieve the intended result		x	x	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			x		x	
		10.B.3 Demonstrate additional attributes associated with producing high quality products including the <i>ability to multi-task</i>									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
		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		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	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		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		x		
		11.A.2 Inspire others to reach their very best via example and selflessness							x		x	x		x			
		11.A.3 Demonstrate integrity and ethical behavior in using influence and power		x	x					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			