Subject	§126.Technology Application	S		
		and Design (One-Half to One	Credit). Beginning with S	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(a) General Requirements. Students shall be awarded one- recommended for students in G		completion of this course. The r	equired prerequisite for th	is course is Algebra (I) This course is
(b) Introduction.				
(1) The technology applications indicators developed by the Internation fluency; critical (2) Game Programming and Demeaningful programs through a gaming problems. Through data to access, analyze, and evaluat and groups in solving problems Students will learn digital citizer that is presented to an evaluation (3) Statements that contain the possible illustrative examples.	ernational Society for Technology thinking, problem solving, and design will foster student creativity variety of media. Students will can analysis, students will include the information needed to design, students will select the technologiship by researching current laws on panel.	y in Education (ISTE): creativity lecision making; digital citizenshing and innovation by presenting sollaborate with one another, the identification of task requirent games. By acquiring programming appropriate for the task, syn	and innovation; Community; and technology operation tudents with opportunities ir instructor, and various enents, plan search strateging knowledge and skills that the size knowledge, created ing integrity and respect.	to design, implement, and present electronic communities to solve les, and use programming concepts hat support the work of individuals e solutions, and evaluate the results. Students will create a computer game
(c) Knowledge and Skills.				
The student develops products and generates new understanding by extending existing knowledge. The student is expected to:	•	design elements, including conceptual ideas		
The student develops products and generates new understanding by extending existing knowledge. The student is expected to:		design elements, including storyline		

Page 1 of 36 Updated: 9/19/2012

Subject	§126 Technology Applications			
Course Title	§126.38. Game Programming		Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(1) Creativity and innovation. The student develops products and generates new understanding by extending existing knowledge. The student is expected to:	. ,	(iii) understand the basic game design elements, including visualization		
(1) Creativity and innovation. The student develops products and generates new understanding by extending existing knowledge. The student is expected to:	design elements, including	(iv) understand the basic game design elements, including storyboard		
(1) Creativity and innovation. The student develops products and generates new understanding by extending existing knowledge. The student is expected to:		design elements, including game effects		
(1) Creativity and innovation. The student develops products and generates new understanding by extending existing knowledge. The student is expected to:	design elements, including	(vi) understand the basic game design elements, including sound elements		

Page 2 of 36 Updated: 9/19/2012

Subject	§126.Technology Application	s		
Course Title	§126.38. Game Programming		Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(1) Creativity and innovation.	(A) understand the basic game			
The student develops products		game design elements,		
and generates new understanding by extending existing knowledge. The student is expected to:	conceptual ideas, storyline, visualization, storyboard, game effects, sound elements, game play, game controls, and player tutorial	including game play		
(1) Creativity and innovation. The student develops products and generates new understanding by extending existing knowledge. The student is expected to:	(A) understand the basic game design elements, including conceptual ideas, storyline, visualization, storyboard, game effects, sound elements, game play, game controls, and player tutorial	game design elements, including game controls		
(1) Creativity and innovation. The student develops products and generates new understanding by extending existing knowledge. The student is expected to:	` ·	(ix) understand the basic game design elements, including player tutorial		
(1) Creativity and innovation. The student develops products and generates new understanding by extending existing knowledge. The student is expected to:	(B) create a design concept document			
(1) Creativity and innovation. The student develops products and generates new understanding by extending existing knowledge. The student is expected to:	(C) create a storyboard			

Page 3 of 36 Updated: 9/19/2012

Subject	§126.Technology Application	ns		
Course Title		and Design (One-Half to One	Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(1) Creativity and innovation. The student develops products and generates new understanding by extending existing knowledge. The student is expected to:	(D) demonstrate an understanding of the fundamentals of game art, including the look and feel, graphics coordinate system, basics of color, and color palettes	(i) demonstrate an understanding the fundamentals of game art, including the look and feel		
(1) Creativity and innovation. The student develops products and generates new understanding by extending existing knowledge. The student is expected to:	(D) demonstrate an understanding of the fundamentals of game art, including the look and feel, graphics coordinate system, basics of color, and color palettes	(ii) demonstrate an understanding the fundamentals of game art, including graphics coordinate system		
(1) Creativity and innovation. The student develops products and generates new understanding by extending existing knowledge. The student is expected to:	(D) demonstrate an understanding of the fundamentals of game art, including the look and feel, graphics coordinate system, basics of color, and color palettes	(iii) demonstrate an understanding the fundamentals of game art, including basics of color		
(1) Creativity and innovation. The student develops products and generates new understanding by extending existing knowledge. The student is expected to:	(D) demonstrate an understanding of the fundamentals of game art, including the look and feel, graphics coordinate system, basics of color, and color palettes	(iv) demonstrate an understanding the fundamentals of game art, including color palettes		
(1) Creativity and innovation. The student develops products and generates new understanding by extending existing knowledge. The student is expected to:	(E) use bitmap graphics	(i) use bitmap graphics images, including designing images		

Page 4 of 36 Updated: 9/19/2012

Subject	§126.Technology Application	าร		
Course Title		and Design (One-Half to One	Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(1) Creativity and innovation.	(E) use bitmap graphics	(ii) use bitmap graphics		
		images, including creating		
and generates new	creating, reading, and	images		
understanding by extending	manipulating images			
existing knowledge. The				
student is expected to:				
(1) Creativity and innovation.	(E) use bitmap graphics	(iii) use bitmap graphics		
		images, including reading		
and generates new	creating, reading, and	images		
understanding by extending	manipulating images			
existing knowledge. The				
student is expected to:				
(1) Creativity and innovation.	(E) use bitmap graphics	(iv) use bitmap graphics		
The student develops products		images, including manipulating		
and generates new	creating, reading, and	images		
understanding by extending	manipulating images			
existing knowledge. The				
student is expected to:				
(1) Creativity and innovation.	(F) create backgrounds,	(i) create backgrounds,		
The student develops products		including solid backgrounds		
and generates new	tiled backgrounds			
understanding by extending				
existing knowledge. The				
student is expected to: (1) Creativity and innovation.	(F) create backgrounds,	(ii) create backgrounds,		
The student develops products		including image backgrounds		
and generates new	tiled backgrounds	including image backgrounds		
understanding by extending	liled backgrounds			
existing knowledge. The				
student is expected to:				
(1) Creativity and innovation.	(F) create backgrounds,	(iii) create backgrounds,		
The student develops products	` ,	including tiled backgrounds		
and generates new	tiled backgrounds			
understanding by extending	and backgrounds			
existing knowledge. The				
student is expected to:				
otacont to oxposited to.			1	

Page 5 of 36 Updated: 9/19/2012

Subject	§126.Technology Application	S		
Course Title		and Design (One-Half to One	Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(1) Creativity and innovation.	(G) write programs creating			
The student develops products	images using geometric			
and generates new	shapes			
understanding by extending				
existing knowledge. The				
student is expected to:				
(1) Creativity and innovation.	(H) create games using sprites			
The student develops products		by evaluating the role of		
and generates new	sprites, creating sprites, and	sprites		
understanding by extending	managing sprites			
existing knowledge. The				
student is expected to:				
(1) Creativity and innovation.	(H) create games using sprites	1		
The student develops products		by creating sprites		
and generates new	sprites, creating sprites, and			
understanding by extending	managing sprites			
existing knowledge. The				
student is expected to:				
(1) Creativity and innovation.	` ,	(iii) create games using sprites		
The student develops products		by managing sprites		
and generates new	sprites, creating sprites, and			
understanding by extending	managing sprites			
existing knowledge. The				
student is expected to:				
(1) Creativity and innovation.	(I) create programs using			
The student develops products	sprite sheets			
and generates new				
understanding by extending				
existing knowledge. The				
student is expected to:	(1) -1	(i) description of		
(1) Creativity and innovation.	(J) demonstrate an	(i) demonstrate an		
The student develops products		understanding of image		
and generates new	rendering, including	rendering, including		
understanding by extending	transparency, refresh rate,	transparency		
existing knowledge. The	hardware acceleration, and			
student is expected to:	animation			

Page 6 of 36 Updated: 9/19/2012

Subject	§126.Technology Application	s		
Course Title		and Design (One-Half to One	Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(1) Creativity and innovation.	(J) demonstrate an	(ii) demonstrate an		
The student develops products	understanding of image	understanding of image		
and generates new	rendering, including	rendering, including refresh		
understanding by extending	transparency, refresh rate,	rate		
existing knowledge. The	hardware acceleration, and			
student is expected to:	animation			
(1) Creativity and innovation.	(J) demonstrate an	(iii) demonstrate an		
The student develops products	understanding of image	understanding of image		
and generates new	rendering, including	rendering, including hardware		
understanding by extending	transparency, refresh rate,	acceleration		
existing knowledge. The	hardware acceleration, and			
student is expected to:	animation			
(1) Creativity and innovation.	(J) demonstrate an	(iv) demonstrate an		
The student develops products	understanding of image	understanding of image		
and generates new	rendering, including	rendering, including animation		
understanding by extending	transparency, refresh rate,			
existing knowledge. The	hardware acceleration, and			
student is expected to:	animation			
(1) Creativity and innovation.	(K) find, create, and edit game	(i) find game audio sound		
The student develops products	audio sound effects and music	effects		
and generates new				
understanding by extending				
existing knowledge. The				
student is expected to:				
(1) Creativity and innovation.	(K) find, create, and edit game			
The student develops products	audio sound effects and music	effects		
and generates new				
understanding by extending				
existing knowledge. The				
student is expected to:				
(1) Creativity and innovation.	(K) find, create, and edit game			
The student develops products	audio sound effects and music	effects		
and generates new				
understanding by extending				
existing knowledge. The				
student is expected to:				

Page 7 of 36 Updated: 9/19/2012

Subject	§126.Technology Application	s		
Course Title		and Design (One-Half to One	Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(1) Creativity and innovation.	(K) find, create, and edit game	(iv) find game audio music		
The student develops products	audio sound effects and music			
and generates new				
understanding by extending				
existing knowledge. The				
student is expected to:				
(1) Creativity and innovation.	(K) find, create, and edit game	(v) create game audio music		
The student develops products	audio sound effects and music			
and generates new				
understanding by extending				
existing knowledge. The				
student is expected to:				
(1) Creativity and innovation.	(K) find, create, and edit game	(vi) edit game audio music		
The student develops products	audio sound effects and music			
and generates new				
understanding by extending				
existing knowledge. The				
student is expected to:				
(1) Creativity and innovation.	(L) implement game sound	(i) implement game sound		
The student develops products		mechanics, including playing		
and generates new	pausing, and looping	sound		
understanding by extending				
existing knowledge. The				
student is expected to:				
(1) Creativity and innovation.	(L) implement game sound	(ii) implement game sound		
The student develops products		mechanics, including pausing		
and generates new	pausing, and looping	sound		
understanding by extending				
existing knowledge. The				
student is expected to:				
(1) Creativity and innovation.	(L) implement game sound	(iii) implement game sound		
The student develops products		mechanics, including looping		
and generates new	pausing, and looping	sound		
understanding by extending				
existing knowledge. The				
student is expected to:				

Page 8 of 36 Updated: 9/19/2012

Subject	§126 Technology Application	s		
Course Title		and Design (One-Half to One	Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(2) Communication and collaboration. The student communicates and collaborates with peers to contribute to his or her own learning and the learning of others. The student is expected to:	(A) design and implement procedures to set timelines for, track progress of, and evaluate a game product			
(2) Communication and collaboration. The student communicates and collaborates with peers to contribute to his or her own learning and the learning of others. The student is expected to:	(A) design and implement procedures to set timelines for, track progress of, and evaluate a game product	· ·		
(2) Communication and collaboration. The student communicates and collaborates with peers to contribute to his or her own learning and the learning of others. The student is expected to:	(A) design and implement procedures to set timelines for, track progress of, and evaluate a game product			
(2) Communication and collaboration. The student communicates and collaborates with peers to contribute to his or her own learning and the learning of others. The student is expected to:	(A) design and implement procedures to set timelines for, track progress of, and evaluate a game product			

Page 9 of 36 Updated: 9/19/2012

Subject	§126 Technology Application	s		
Course Title		and Design (One-Half to One	Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(2) Communication and collaboration. The student communicates and collaborates with peers to contribute to his or her own learning and the learning of others. The student is expected to:	(A) design and implement procedures to set timelines for, track progress of, and evaluate a game product			
(2) Communication and collaboration. The student communicates and collaborates with peers to contribute to his or her own learning and the learning of others. The student is expected to:	(A) design and implement procedures to set timelines for, track progress of, and evaluate a game product			
(2) Communication and collaboration. The student communicates and collaborates with peers to contribute to his or her own learning and the learning of others. The student is expected to:	(B) seek and respond to input from peers and professionals in evaluating a game project	(i) seek input from peers in evaluating a game project		
(2) Communication and collaboration. The student communicates and collaborates with peers to contribute to his or her own learning and the learning of others. The student is expected to:	(B) seek and respond to input from peers and professionals in evaluating a game project	(ii) seek input from professionals in evaluating a game project		

Page 10 of 36 Updated: 9/19/2012

Subject	§126 Technology Application	ns		
Course Title		and Design (One-Half to One	Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(2) Communication and collaboration. The student communicates and collaborates with peers to contribute to his or her own learning and the learning of others. The student is expected to:	(B) seek and respond to input from peers and professionals in evaluating a game project	(iii) respond to input from peers in evaluating a game project		
(2) Communication and collaboration. The student communicates and collaborates with peers to contribute to his or her own learning and the learning of others. The student is expected to:	(B) seek and respond to input from peers and professionals in evaluating a game project	(iv) respond to input from professionals in evaluating a game project		
(2) Communication and collaboration. The student communicates and collaborates with peers to contribute to his or her own learning and the learning of others. The student is expected to:	(C) demonstrate knowledge and appropriate use of operating systems, program development tools, and networking resources	(i) demonstrate knowledge of operating systems		
(2) Communication and collaboration. The student communicates and collaborates with peers to contribute to his or her own learning and the learning of others. The student is expected to:	(C) demonstrate knowledge and appropriate use of operating systems, program development tools, and networking resources	(ii) demonstrate knowledge of program development tools		

Page 11 of 36 Updated: 9/19/2012

Subject	§126.Technology Applications					
Course Title		g and Design (One-Half to One	Credit). Beginning wi	ith School Year 2012-2013		
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement		
(2) Communication and collaboration. The student communicates and collaborates with peers to contribute to his or her own learning and the learning of others. The student is expected to:	(C) demonstrate knowledge and appropriate use of operating systems, program development tools, and networking resources	(iii) demonstrate knowledge of networking resources				
(2) Communication and collaboration. The student communicates and collaborates with peers to contribute to his or her own learning and the learning of others. The student is expected to:	(C) demonstrate knowledge and appropriate use of operating systems, program development tools, and networking resources	(iv) demonstrate appropriate use of operating systems				
(2) Communication and collaboration. The student communicates and collaborates with peers to contribute to his or her own learning and the learning of others. The student is expected to:	(C) demonstrate knowledge and appropriate use of operating systems, program development tools, and networking resources	(v) demonstrate appropriate use of program development tools				
(2) Communication and collaboration. The student communicates and collaborates with peers to contribute to his or her own learning and the learning of others. The student is expected to:	(C) demonstrate knowledge and appropriate use of operating systems, program development tools, and networking resources	(vi) demonstrate appropriate use of networking resources				

Page 12 of 36 Updated: 9/19/2012

Subject	§126.Technology Applications			
Course Title		and Design (One-Half to One	Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(2) Communication and collaboration. The student communicates and collaborates with peers to contribute to his or her own learning and the learning of others. The student is expected to:	(D) use network resources to acquire, organize, maintain, and evaluate information	(i) use network resources to acquire information		
(2) Communication and collaboration. The student communicates and collaborates with peers to contribute to his or her own learning and the learning of others. The student is expected to:	(D) use network resources to acquire, organize, maintain, and evaluate information	(ii) use network resources to organize information		
(2) Communication and collaboration. The student communicates and collaborates with peers to contribute to his or her own learning and the learning of others. The student is expected to:	(D) use network resources to acquire, organize, maintain, and evaluate information	(iii) use network resources to maintain information		
(2) Communication and collaboration. The student communicates and collaborates with peers to contribute to his or her own learning and the learning of others. The student is expected to:	(D) use network resources to acquire, organize, maintain, and evaluate information	(iv) use network resources to evaluate information		

Page 13 of 36 Updated: 9/19/2012

Subject	§126.Technology Applications			
Course Title	§126.38. Game Programming		Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(2) Communication and collaboration. The student communicates and collaborates with peers to contribute to his or her own learning and the learning of others. The student is expected to:	(E) collaborate to research the business of games, including the roles of developer, marketing, publisher, and retail sales	(i) collaborate to research the business of games, including the roles of developer		
(2) Communication and collaboration. The student communicates and collaborates with peers to contribute to his or her own learning and the learning of others. The student is expected to:	(E) collaborate to research the business of games, including the roles of developer, marketing, publisher, and retail sales	(ii) collaborate to research the business of games, including the roles of marketing		
(2) Communication and collaboration. The student communicates and collaborates with peers to contribute to his or her own learning and the learning of others. The student is expected to:	(E) collaborate to research the business of games, including the roles of developer, marketing, publisher, and retail sales	(iii) collaborate to research the business of games, including the roles of publisher		
(2) Communication and collaboration. The student communicates and collaborates with peers to contribute to his or her own learning and the learning of others. The student is expected to:	(E) collaborate to research the business of games, including the roles of developer, marketing, publisher, and retail sales	(iv) collaborate to research the business of games, including the roles of retail sales		

Page 14 of 36 Updated: 9/19/2012

Subject	§126.Technology Application	s		
Course Title		and Design (One-Half to One	Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(2) Communication and collaboration. The student communicates and collaborates with peers to contribute to his or her own learning and the learning of others. The student is expected to:	(F) demonstrate an understanding of and evaluate online technology, including online interaction and massive multiplayer games	(i) demonstrate an understanding of online technology, including online interaction		
(2) Communication and collaboration. The student communicates and collaborates with peers to contribute to his or her own learning and the learning of others. The student is expected to:	(F) demonstrate an understanding of and evaluate online technology, including online interaction and massive multiplayer games	(ii) demonstrate an understanding of online technology, including massive multiplayer games		
(2) Communication and collaboration. The student communicates and collaborates with peers to contribute to his or her own learning and the learning of others. The student is expected to:	(F) demonstrate an understanding of and evaluate online technology, including online interaction and massive multiplayer games	(iii) evaluate online technology, including online interaction		
(2) Communication and collaboration. The student communicates and collaborates with peers to contribute to his or her own learning and the learning of others. The student is expected to:	(F) demonstrate an understanding of and evaluate online technology, including online interaction and massive multiplayer games	(iv) evaluate online technology, including massive multiplayer games		

Page 15 of 36 Updated: 9/19/2012

Subject	§126.Technology Application	ns		
Course Title		g and Design (One-Half to One	Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(3) Research and information fluency. The student locates, analyzes, processes, and organizes data. The student is expected to	(A) play board games to research and collect game play data	(i) play board games to research game play data		
(3) Research and information fluency. The student locates, analyzes, processes, and organizes data. The student is expected to	(A) play board games to research and collect game play data	(ii) play board games to collect game play data		
(3) Research and information fluency. The student locates, analyzes, processes, and organizes data. The student is expected to	(B) evaluate, analyze, and document game styles and playability	(i) evaluate game styles		
(3) Research and information fluency. The student locates, analyzes, processes, and organizes data. The student is expected to	(B) evaluate, analyze, and document game styles and playability	(ii) analyze game styles		
(3) Research and information fluency. The student locates, analyzes, processes, and organizes data. The student is expected to	(B) evaluate, analyze, and document game styles and playability	(iii) document game styles		
(3) Research and information fluency. The student locates, analyzes, processes, and organizes data. The student is expected to	(B) evaluate, analyze, and document game styles and playability	(iv) evaluate game playability		
(3) Research and information fluency. The student locates, analyzes, processes, and organizes data. The student is expected to	(B) evaluate, analyze, and document game styles and playability	(v) analyze game playability		

Page 16 of 36 Updated: 9/19/2012

Subject	§126 Technology Application	s		
Course Title		and Design (One-Half to One	Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(3) Research and information fluency. The student locates, analyzes, processes, and organizes data. The student is expected to	(B) evaluate, analyze, and document game styles and playability	(vi) document game playability		
(3) Research and information fluency. The student locates, analyzes, processes, and organizes data. The student is expected to	(C) research the dramatic elements in games, including kinds of fun, player types, and nonlinear storytelling	(i) research the dramatic elements in games, including kinds of fun		
(3) Research and information fluency. The student locates, analyzes, processes, and organizes data. The student is expected to	(C) research the dramatic elements in games, including kinds of fun, player types, and nonlinear storytelling	(ii) research the dramatic elements in games, including player types		
(3) Research and information fluency. The student locates, analyzes, processes, and organizes data. The student is expected to	(C) research the dramatic elements in games, including kinds of fun, player types, and nonlinear storytelling	(iii) research the dramatic elements in games, including nonlinear storytelling		
(4) Critical thinking, problem solving, and decision making. The student uses appropriate strategies to analyze problems and design algorithms. The student is expected to	(A) demonstrate an understanding of the game design process, including generating ideas, brainstorming, and paper prototyping	(i) demonstrate an understanding of the game design process, including generating ideas		
(4) Critical thinking, problem solving, and decision making. The student uses appropriate strategies to analyze problems and design algorithms. The student is expected to	(A) demonstrate an understanding of the game design process, including generating ideas, brainstorming, and paper prototyping	(ii) demonstrate an understanding of the game design process, including brainstorming		

Page 17 of 36 Updated: 9/19/2012

Subject	§126 Technology Application	s		
Course Title		and Design (One-Half to One	Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(4) Critical thinking, problem solving, and decision making. The student uses appropriate strategies to analyze problems and design algorithms. The student is expected to	(A) demonstrate an understanding of the game design process, including generating ideas, brainstorming, and paper prototyping	(iii) demonstrate an understanding of the game design process, including paper prototyping		
(4) Critical thinking, problem solving, and decision making. The student uses appropriate strategies to analyze problems and design algorithms. The student is expected to	(B) write programs using variables of different data types			
(4) Critical thinking, problem solving, and decision making. The student uses appropriate strategies to analyze problems and design algorithms. The student is expected to	(C) evaluate game rules and instructions	(i) evaluate game rules		
(4) Critical thinking, problem solving, and decision making. The student uses appropriate strategies to analyze problems and design algorithms. The student is expected to	(C) evaluate game rules and instructions	(ii) evaluate game instructions		
(4) Critical thinking, problem solving, and decision making. The student uses appropriate strategies to analyze problems and design algorithms. The student is expected to	(D) demonstrate an understanding of the user experience by comparing rules and game-play patterns	(i) demonstrate an understanding of the user experience by comparing rules		

Page 18 of 36 Updated: 9/19/2012

Subject	§126 Technology Application	s		
Course Title	§126.38. Game Programming	and Design (One-Half to One	Credit), Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(4) Critical thinking, problem solving, and decision making. The student uses appropriate strategies to analyze problems and design algorithms. The student is expected to	(D) demonstrate an understanding of the user experience by comparing rules and game-play patterns	(ii) demonstrate an understanding of the user experience by comparing game-play patterns		
(4) Critical thinking, problem solving, and decision making. The student uses appropriate strategies to analyze problems and design algorithms. The student is expected to	(E) write game rules, and instructions	(i) write game rules		
(4) Critical thinking, problem solving, and decision making. The student uses appropriate strategies to analyze problems and design algorithms. The student is expected to	(E) write game rules, and instructions	(ii) write game instructions		
(4) Critical thinking, problem solving, and decision making. The student uses appropriate strategies to analyze problems and design algorithms. The student is expected to	(F) develop game software			
(4) Critical thinking, problem solving, and decision making. The student uses appropriate strategies to analyze problems and design algorithms. The student is expected to	(G) write computer game code, resolve game defects, and revise existing game code	(i) write computer game code		

Page 19 of 36 Updated: 9/19/2012

Subject	§126 Technology Application	S		
Course Title	§126.38. Game Programming		Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(4) Critical thinking, problem solving, and decision making. The student uses appropriate strategies to analyze problems and design algorithms. The student is expected to	(G) write computer game code, resolve game defects, and revise existing game code	(ii) resolve game defects		
(4) Critical thinking, problem solving, and decision making. The student uses appropriate strategies to analyze problems and design algorithms. The student is expected to	(G) write computer game code, resolve game defects, and revise existing game code	(iii) revise existing game code		
(4) Critical thinking, problem solving, and decision making. The student uses appropriate strategies to analyze problems and design algorithms. The student is expected to	(H) test a finished game product by implementing sound testing techniques			
(5) Digital citizenship. The student explores and understands safety, legal, cultural, and societal issues relating to the use of technology and information. The student is expected to	(A) explore intellectual property, privacy, sharing of information, copyright laws, and software licensing agreements	(i) explore intellectual property		
(5) Digital citizenship. The student explores and understands safety, legal, cultural, and societal issues relating to the use of technology and information. The student is expected to	(A) explore intellectual property, privacy, sharing of information, copyright laws, and software licensing agreements	(ii) explore privacy		

Page 20 of 36 Updated: 9/19/2012

Subject	§126.Technology Application	าร		
Course Title		and Design (One-Half to One	Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(5) Digital citizenship. The student explores and understands safety, legal, cultural, and societal issues relating to the use of technology and information. The student is expected to	(A) explore intellectual property, privacy, sharing of information, copyright laws, and software licensing agreements	(iii) explore sharing of information		
(5) Digital citizenship. The student explores and understands safety, legal, cultural, and societal issues relating to the use of technology and information. The student is expected to	(A) explore intellectual property, privacy, sharing of information, copyright laws, and software licensing agreements	(iii) explore copyright laws		
(5) Digital citizenship. The student explores and understands safety, legal, cultural, and societal issues relating to the use of technology and information. The student is expected to	(A) explore intellectual property, privacy, sharing of information, copyright laws, and software licensing agreements	(iv) explore software licensing agreements		
(5) Digital citizenship. The student explores and understands safety, legal, cultural, and societal issues relating to the use of technology and information. The student is expected to	(B) model ethical acquisition and use of digital information	(i) model ethical acquisition of digital information		
(5) Digital citizenship. The student explores and understands safety, legal, cultural, and societal issues relating to the use of technology and information. The student is expected to	(B) model ethical acquisition and use of digital information	(ii) model ethical use of digital information		

Page 21 of 36 Updated: 9/19/2012

Subject	§126 Technology Application	ıs		
Course Title		and Design (One-Half to One	Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and	Student Expectation	Breakout	Element	Subelement
Skills)				
(5) Digital citizenship. The	(C) demonstrate proper digital	(i) demonstrate proper		
student explores and	etiquette when using networks,	etiquette when using networks		
understands safety, legal,	responsible use of software,			
cultural, and societal issues	and knowledge of acceptable			
relating to the use of	use policies			
technology and information.				
The student is expected to				
(5) Digital citizenship. The	(C) demonstrate proper digital	(ii) demonstrate responsible		
student explores and	etiquette when using networks,	use of software		
understands safety, legal,	responsible use of software,			
cultural, and societal issues	and knowledge of acceptable			
relating to the use of	use policies			
technology and information.				
The student is expected to				
(5) Digital citizenship. The	(C) demonstrate proper digital	(iii) demonstrate knowledge of		
student explores and	etiquette when using networks,	acceptable use policies		
understands safety, legal,	responsible use of software,			
cultural, and societal issues	and knowledge of acceptable			
relating to the use of	use policies			
technology and information.				
The student is expected to				
(5) Digital citizenship. The	(D) model respect of	(i) model respect of intellectual		
student explores and	intellectual property, including	property, including		
understands safety, legal,	manipulating graphics,	manipulating graphics		
cultural, and societal issues	morphing graphics, editing			
relating to the use of	graphics, and editing sound			
technology and information.				
The student is expected to				
(5) Digital citizenship. The	(D) model respect of	(ii) model respect of		
student explores and	intellectual property, including	intellectual property, including		
understands safety, legal,	manipulating graphics,	morphing graphics		
cultural, and societal issues	morphing graphics, editing			
relating to the use of	graphics, and editing sound			
technology and information.				
The student is expected to				

Page 22 of 36 Updated: 9/19/2012

Subject	§126 Technology Application	ıs		
Course Title		and Design (One-Half to One	Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(5) Digital citizenship. The	(D) model respect of	(iii) model respect of		
student explores and	intellectual property, including	intellectual property, including		
understands safety, legal,	manipulating graphics,	editing graphics		
cultural, and societal issues	morphing graphics, editing			
relating to the use of	graphics, and editing sound			
technology and information.				
The student is expected to				
(5) Digital citizenship. The	(D) model respect of	(iv) model respect of		
student explores and	intellectual property, including	intellectual property, including		
understands safety, legal,	manipulating graphics,	editing sound		
cultural, and societal issues	morphing graphics, editing			
relating to the use of	graphics, and editing sound			
technology and information.				
The student is expected to				
(5) Digital citizenship. The	(E) discuss and evaluate the	(i) discuss the social issues		
student explores and	social issues surrounding	surrounding gaming		
understands safety, legal,	gaming			
cultural, and societal issues				
relating to the use of				
technology and information.				
The student is expected to				
(5) Digital citizenship. The	(E) discuss and evaluate the	(ii) evaluate the social issues		
student explores and	social issues surrounding	surrounding gaming		
understands safety, legal,	gaming			
cultural, and societal issues				
relating to the use of				
technology and information.				
The student is expected to				
(5) Digital citizenship. The	(F) evaluate the cultural	(i) evaluate the cultural		
student explores and	aspects of game design	aspects of game design		
understands safety, legal,	fundamentals, including	fundamentals, including		
cultural, and societal issues	rationale for games and types	rationale for games		
relating to the use of	of games			
technology and information.				
The student is expected to				

Page 23 of 36 Updated: 9/19/2012

Subject	§126 Technology Application	ıs		
Course Title		and Design (One-Half to One	Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(5) Digital citizenship. The student explores and understands safety, legal, cultural, and societal issues relating to the use of technology and information. The student is expected to	(F) evaluate the cultural aspects of game design fundamentals, including rationale for games and types of games	(ii) evaluate the cultural aspects of game design fundamentals, including types of games		
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	(A) identify basic game components, including the game engine, game play subsystems, data structures, models, and interfaces	(i) identify basic game components, including the game engine		
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	(A) identify basic game components, including the game engine, game play subsystems, data structures, models, and interfaces	(ii) identify basic game components, including game play subsystems		
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	(A) identify basic game components, including the game engine, game play subsystems, data structures, models, and interfaces	(iii) identify basic game components, including data structures		
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	(A) identify basic game components, including the game engine, game play subsystems, data structures, models, and interfaces	(iv) identify basic game components, including models		

Page 24 of 36 Updated: 9/19/2012

Subject	§126 Technology Application	S		
Course Title		and Design (One-Half to One	Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(6) Technology operations and	` '	(v) identify basic game		
concepts: The student	components, including the	components, including		
understands technology	game engine, game play	interfaces		
concepts, systems, and	subsystems, data structures,			
operations as they apply to	models, and interfaces			
game programming. The				
student is expected to				
(6) Technology operations and	(B) generate random numbers			
concepts: The student	in a program			
understands technology				
concepts, systems, and				
operations as they apply to				
game programming. The				
student is expected to				
(6) Technology operations and	(C) create a program			
concepts: The student	implementing conditional			
understands technology	statements			
concepts, systems, and				
operations as they apply to				
game programming. The				
student is expected to				
(6) Technology operations and	(D) develop an appropriate			
concepts: The student	data model			
understands technology				
concepts, systems, and				
operations as they apply to				
game programming. The				
student is expected to				
(6) Technology operations and	(E) demonstrate an	(i) demonstrate an		
concepts: The student	understanding of and apply	understanding of object-		
understands technology	object-oriented game	oriented game programming		
concepts, systems, and	programming			
operations as they apply to				
game programming. The				
student is expected to				

Page 25 of 36 Updated: 9/19/2012

Subject	§126 Technology Application	s		
Course Title		and Design (One-Half to One	Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(6) Technology operations and concepts: The student understands technology	(E) demonstrate an understanding of and apply object-oriented game	(ii) apply object-oriented game programming		
concepts, systems, and operations as they apply to game programming. The student is expected to	programming			
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	(F) demonstrate an understanding of game programming essentials, including event-driven programming, communicating with messages, and device management	(i) demonstrate an understanding of game programming essentials, including event-driven programming		
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	(F) demonstrate an understanding of game programming essentials, including event-driven programming, communicating with messages, and device management	(ii) demonstrate an understanding of game programming essentials, including communicating with messages		
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	understanding of game programming essentials, including event-driven programming, communicating with messages, and device management	(iii) demonstrate an understanding of game programming essentials, including device management		
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	(G) demonstrate an understanding of the role of game events, the animation loop, and game timing	(i) demonstrate an understanding of the role of game events		

Page 26 of 36 Updated: 9/19/2012

Subject	§126 Technology Application	S		
Course Title		and Design (One-Half to One	Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	(G) demonstrate an understanding of the role of game events, the animation loop, and game timing	(ii) demonstrate an understanding of the role of the animation loop		
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	(G) demonstrate an understanding of the role of game events, the animation loop, and game timing	(iii) demonstrate an understanding of the role of game timing		
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	(H) demonstrate an understanding of the role of game engines			
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	understanding of video display flicker and double buffering;	(i) demonstrate an understanding of video display flicker		
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	(I) demonstrate an understanding of video display flicker and double buffering;	(ii) demonstrate an understanding of double buffering		

Page 27 of 36 Updated: 9/19/2012

Subject	§126 Technology Application	s		
Course Title		and Design (One-Half to One	Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(6) Technology operations and		(i) apply basic game screen		
concepts: The student	design and layout, including	design, including visual		
understands technology	visual controls, user interfaces,	controls		
concepts, systems, and	menus and options			
operations as they apply to				
game programming. The				
student is expected to				
(6) Technology operations and	(J) apply basic game screen	(ii) apply basic game screen		
concepts: The student	design and layout, including	design, including user		
understands technology	visual controls, user interfaces,	interfaces		
concepts, systems, and	menus and options			
operations as they apply to				
game programming. The				
student is expected to				
		(iii) apply basic game screen		
concepts: The student	design and layout, including	design, including menus		
understands technology	visual controls, user interfaces,			
concepts, systems, and	menus and options			
operations as they apply to				
game programming. The				
student is expected to				
(6) Technology operations and		(iv) apply basic game screen		
concepts: The student	design and layout, including	design, including options		
understands technology	visual controls, user interfaces,			
concepts, systems, and	menus and options			
operations as they apply to				
game programming. The				
student is expected to				
` ,		(v) apply basic game screen		
concepts: The student	design and layout, including	layout, including visual controls		
understands technology	visual controls, user interfaces,			
concepts, systems, and	menus and options			
operations as they apply to				
game programming. The				
student is expected to				

Page 28 of 36 Updated: 9/19/2012

Subject	§126 Technology Application	s		
Course Title		and Design (One-Half to One	Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to (6) Technology operations and concepts: The student	design and layout, including visual controls, user interfaces, menus and options (J) apply basic game screen design and layout, including	(vi) apply basic game screen layout, including user interfaces (vii) apply basic game screen layout, including menus		
understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	visual controls, user interfaces, menus and options			
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	design and layout, including visual controls, user interfaces, menus and options	(viii) apply basic game screen layout, including options		
concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	(K) use game control design to understand, access, and control input devices, including keyboard, mouse, and joystick	understand input devices, including keyboard		
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	(K) use game control design to understand, access, and control input devices, including keyboard, mouse, and joystick	understand input devices,		

Page 29 of 36 Updated: 9/19/2012

Subject	§126 Technology Application	s		
Course Title		and Design (One-Half to One	Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	(K) use game control design to understand, access, and control input devices, including keyboard, mouse, and joystick	understand input devices,		
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	(K) use game control design to understand, access, and control input devices, including keyboard, mouse, and joystick	access input devices, including		
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	(K) use game control design to understand, access, and control input devices, including keyboard, mouse, and joystick	access input devices, including		
concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	(K) use game control design to understand, access, and control input devices, including keyboard, mouse, and joystick	access input device, joystick		
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	(K) use game control design to understand, access, and control input devices, including keyboard, mouse, and joystick	to control input devices,		

Page 30 of 36 Updated: 9/19/2012

Subject	§126 Technology Application	s		
Course Title		and Design (One-Half to One	Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	(K) use game control design to understand, access, and control input devices, including keyboard, mouse, and joystick	to control input devices, including mouse		
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	(K) use game control design to understand, access, and control input devices, including keyboard, mouse, and joystick	(ix) use game control design to control input devices, including joystick		
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	(L) demonstrate an understanding of and apply game animation, including the principles of animation and frame-based animation	(i) demonstrate an understanding of game animation, including the principles of animation		
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	understanding of and apply game animation, including the principles of animation and frame-based animation	(ii) demonstrate an understanding of game animation, including framebased animation		
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	(L) demonstrate an understanding of and apply game animation, including the principles of animation and frame-based animation	(iii) apply game animation, including the principles of animation		

Page 31 of 36 Updated: 9/19/2012

Subject	§126 Technology Application	s		
Course Title	§126.38. Game Programming		Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(6) Technology operations and		(iv) apply game animation,		
concepts: The student	understanding of and apply	including frame-based		
understands technology	game animation, including the	animation		
concepts, systems, and	principles of animation and			
operations as they apply to	frame-based animation			
game programming. The				
student is expected to				
(6) Technology operations and	(M) demonstrate an	(i) demonstrate an		
concepts: The student	understanding of decision	understanding of decision		
understands technology	making and types of decisions	making		
concepts, systems, and				
operations as they apply to				
game programming. The				
student is expected to				
(6) Technology operations and		(ii) demonstrate an		
concepts: The student	understanding of decision	understanding of types of		
understands technology	making and types of decisions	decisions		
concepts, systems, and				
operations as they apply to				
game programming. The				
student is expected to				
(6) Technology operations and		(i) demonstrate an		
concepts: The student		understanding of game events,		
understands technology	including listeners, triggers,	including listeners		
concepts, systems, and	and timed events			
operations as they apply to				
game programming. The				
student is expected to				
(6) Technology operations and		(ii) demonstrate an		
concepts: The student				
understands technology	including listeners, triggers,	including triggers		
concepts, systems, and	and timed events			
operations as they apply to				
game programming. The				
student is expected to				

Page 32 of 36 Updated: 9/19/2012

Subject	§126 Technology Application	s		
Course Title		and Design (One-Half to One	Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(6) Technology operations and		(iii) demonstrate an		
concepts: The student	understanding of game events,	understanding of game events,		
understands technology	including listeners, triggers,	including timed events		
concepts, systems, and	and timed events			
operations as they apply to				
game programming. The				
student is expected to				
(6) Technology operations and	` '	(i) demonstrate an		
concepts: The student	understanding of and	understanding of collision		
understands technology	implement collision detection,	detection, including bounding		
concepts, systems, and	including bounding boxes and	boxes		
operations as they apply to	sprite collisions			
game programming. The				
student is expected to				
(6) Technology operations and	, ,	(ii) demonstrate an		
concepts: The student	understanding of and	understanding of collision		
understands technology	implement collision detection,	detection, including sprite		
concepts, systems, and	including bounding boxes and	collisions		
operations as they apply to	sprite collisions			
game programming. The				
student is expected to				
(6) Technology operations and		(iii) implement collision		
concepts: The student	understanding of and	detection, including bounding		
understands technology	implement collision detection,	boxes		
concepts, systems, and	including bounding boxes and			
operations as they apply to	sprite collisions			
game programming. The				
student is expected to				
(6) Technology operations and		(iv) implement collision		
concepts: The student	understanding of and	detection, including sprite		
understands technology	implement collision detection,	collisions		
concepts, systems, and	including bounding boxes and			
operations as they apply to	sprite collisions			
game programming. The				
student is expected to				

Page 33 of 36 Updated: 9/19/2012

Subject	§126 Technology Application	S		
Course Title		and Design (One-Half to One	Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	game, including loading tile maps, drawing tile maps, rendering a tile map, and layering sprites	(i) implement a tile-based game, including loading tile maps		
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	(P) implement a tile-based game, including loading tile maps, drawing tile maps, rendering a tile map, and layering sprites	(ii) implement a tile-based game, including drawing tile maps		
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	(P) implement a tile-based game, including loading tile maps, drawing tile maps, rendering a tile map, and layering sprites	(iii) implement a tile-based game, including rendering a tile map		
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	game, including loading tile maps, drawing tile maps, rendering a tile map, and layering sprites	(iv) implement a tile-based game, including layering sprites		
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	(Q) demonstrate an understanding of artificial intelligence and develop and implement artificial intelligence	(i) demonstrate an understanding of artificial intelligence		

Page 34 of 36 Updated: 9/19/2012

Subject	§126.Technology Application	S		
Course Title		and Design (One-Half to One	Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to (6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The	(Q) demonstrate an understanding of artificial intelligence and develop and implement artificial intelligence (Q) demonstrate an understanding of artificial intelligence and develop and implement artificial intelligence	(ii) develop artificial intelligence (iii) implement artificial intelligence		
student is expected to (6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	(R) demonstrate an understanding of game balance and tuning	(i) demonstrate an understanding of game balance		
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	understanding of game balance and tuning	(ii) demonstrate an understanding of game tuning		
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	(S) demonstrate an understanding of player progression, including leveling, linear progression, and maintaining high score data	(i) demonstrate an understanding of player progression, including leveling		

Page 35 of 36 Updated: 9/19/2012

Subject	§126 Technology Application	s		
	§126.38. Game Programming		Credit). Beginning with	School Year 2012-2013
TEKS (Knowledge and Skills)		Breakout	Element	Subelement
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	(S) demonstrate an understanding of player progression, including leveling, linear progression, and maintaining high score data	(ii) demonstrate an understanding of player progression, including linear progression		
(6) Technology operations and concepts: The student understands technology concepts, systems, and operations as they apply to game programming. The student is expected to	(S) demonstrate an understanding of player progression, including leveling, linear progression, and maintaining high score data	(iii) understand player progression, including maintaining high score data		

Page 36 of 36 Updated: 9/19/2012