

eDynamic Learning Course Title: Introduction to Programming 1a / 1b

State: TX State Course Title: Computer Programming I State Course Code: 130.309 State Standards: Information Technology Date of Standards: 2015

TEKS	Course Title. (a or b), if applicable, e.g. Game Design 1a	Unit Name(s)	Lesson(s) Numbers		
The student differentiates the concepts of integrity and confidentiality as related to technology in the business environment.					
(A) define business ethics	Intro to Programming 1b	Unit 6: Legal and Ethical Computing	Lesson 3		
(B) distinguish between honest and dishonest business practices	Intro to Programming 1b	Unit 6: Legal and Ethical Computing	Lesson 3		
(C) examine copyright and licensing issues in the software industry	Intro to Programming 1b	Unit 6: Legal and Ethical Computing	Lessons 1, 2		
(D) analyze the effects of unethical practices on a business.	Intro to Programming 1b	Unit 6: Legal and Ethical Computing	Lesson 3		
The student identifies and analyzes the client project software needs and requirements.					
(A) gather data to identify client and project requirements	Intro to Programming 1a	Unit 6: The Data Files	Lessons 2, 3		
(B) identify input and output requirements	Intro to Programming 1a	Unit 3: Problems and Solutions	Lesson 1		
(C) identify system processing requirements	Intro to Programming 1a	Unit 3: Problems and Solutions	Lesson 1		
(D) develop program requirements and specifications.	Intro to Programming 1a	Unit 3: Problems and Solutions	Activity		
The student develops an IT-based project plan to solve a specific problem.					
(A) define scope of work to meet client-based project needs	Intro to Programming 1a	Unit 3: Problems and Solutions	Lesson 1		
(B) identify software development processes and issues	Intro to Programming 1a	Unit 1: Software Development 101	Lessons 1, 2		
(C) explain the software system life cycle approach.	Intro to Programming 1a	Unit 1: Software Development 101	Lesson 2		

Intro to Programming 1a	Unit 1: Software Development 101	Lesson 3
Intro to Programming 1b	Unit 2: Plan for Success	Activity
Intro to Programming 1a	Unit 7: Running the Numbers	Lab, Activity
Intro to Programming 1a	Unit 3: Problems and Solutions	Lesson 1
Intro to Programming 1b	Unit 1: Designing Programs	Lesson 3
Intro to Programming 1b	Unit 1: Designing Programs	Activity
rogramming languages an	d quality assurances.	
Intro to Programming 1a	Unit 1: Software Development 101	Lesson 3
Intro to Programming 1a	Unit 2: Speaking the Language	Lessons 1-3
Intro to Programming 1a	Unit 1: Software Development 101	Lesson 3
Intro to Programming 1b	Unit 5: Running the Tests	Lab, Activity
Intro to Programming 1b	Unit 5: Running the Tests	Lessons 1-3
Intro to Programming 1b	Unit 4: Quality Assurance	Lesson 1
Intro to Programming 1b	Unit 4: Quality Assurance	Critical Thinking 1 Lab
Intro to Programming 1b	Unit 4: Quality Assurance	Critical Thinking 1 Lab
or maintaining the securit	y of computerized info	rmation.
Intro to Programming 1b	Unit 7: Safe and Secure	Lesson 1
	Intro to Programming 1b Intro to Programming 1a Intro to Programming 1a Intro to Programming 1b Intro to Programming 1b Intro to Programming 1a Intro to Programming 1a Intro to Programming 1a Intro to Programming 1a Intro to Programming 1b Intro to Programming 1b	Intro to Programming 1aDevelopment 101Intro to Programming 1aUnit 2: Plan for SuccessIntro to Programming 1aUnit 7: Running the NumbersIntro to Programming 1aUnit 3: Problems and SolutionsIntro to Programming 1aUnit 1: Designing ProgramsIntro to Programming 1bUnit 1: Designing ProgramsIntro to Programming 1bUnit 1: Designing ProgramsIntro to Programming 1aUnit 1: Designing ProgramsIntro to Programming 1aUnit 1: Software Development 101Intro to Programming 1aUnit 5: Running the TestsIntro to Programming 1bUnit 5: Running the TestsIntro to Programming 1bUnit 4: Quality AssuranceIntro to Programming 1b <td< td=""></td<>

Unit 6: Legal and

Unit 7: Safe and

Unit 7: Safe and

Secure

Secure

Ethical Computing

Lesson 2

Lesson 2

Lesson 2

Intro to Programming 1b

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(B) comply with federal and state legislation pertaining to

(C) identify and select controls for information systems facilities,

data communications, and applications appropriate to specific

(D) apply procedures used to recover from situations such as

computer crime, fraud, and abuse

system failure and computer virus.

risks