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Name:		Grading Quarter:	Week Beginning: '	Week 5	
Robert Lefrandt		3	02/05/2024	02/05/2024	
School Year: 202	23-24	Subject: Software & App Design			
Notes:	02/05/2024 Software & A	 App Design –		Academic	
PCEPTM – Certified Entry-Level Python Programmer (Exam PCEP- 30-0x) PCEPTM – Certified Entry-Level Python Programmer certification shows that the individual is familiar with universal computer programming concepts like data types, containers, functions, conditions, loops, as well as Python programming language syntax, semantics, and the runtime environment. pythoninstitute.o rg/pcep Certified Internet Web (CIW) JavaScript Specialist	Standards, ski Understand th Start with fror Begin TechSm Lesson Overview: Look at Arizor Software & Ap Resources W3schoot Learning Management Sy FreeCodeCam 15 Steps 15x 5 = 7 Lea Lea Not co Should b TechSmart – F Un Arizona Department of	it 1: Linear Programs Lesson 1.1: Statements and Vari Lesson 1.2: Libraries Lesson 1.3: Values (Conti-Feb. 5 Lesson 1.4: Expressions (Feb. 8- Design - 11.0202.00	eek pp (steps 1-69) nu (steps 1-91) colored Markers (steps 1-94) weeks th done: 3 x 75 = 225 steps g a Set of Colored Markers" ables -7) 9)	STANDARD 4.0 UTILIZE PRIMITIVE DATA TYPES AND STRINGS IN WRITING PROGRAMS 4.1 Declare numeric Boolean, character, string variables, and float and double, int 4.2 Choose the appropriate data type for a given situation 4.3 Identify the correct syntax and usage for constants and variables in a program Naming conventions Difference and usage STANDARD 12.0 DEVELOP A PROGRAM 12.1 Use a program editor to enter and modify code 12.2 Identify correct input/output statements 12.3 Choose the correct method of assigning input to variables including data sanitization STANDARD 14.0 UTILIZE AND CREATE COMMUNITY RESOURCES 14.1 Use standard library functions	

Notes: 02/06/2024 -Academic Standards: Objective: Students will: **STANDARD 4.0 UTILIZE** continue to define what the Software & App Class is and what are the Arizona State PRIMITIVE DATA РСЕРТМ -Standards, skills, and possible credentials, certifications. **TYPES AND STRINGS** Certified Understand the front and backend of a web-stack **IN WRITING Entry-Level** Start with front-end: HTML and CSS using freecodecamp **PROGRAMS** Python Begin TechSmart: CS Python Learning Management System (LMS) 4.1 Declare numeric **Programmer** Boolean, character, (Exam PCEP-**Lesson Overview:** string variables, and 30-0x) Look at Arizona State Standards float and double, int Software & App Design: Define what is. РСЕРТМ -Resources 4.2 Choose the Certified Entry-Level appropriate data type w3schools. Stackoverflow, pythontutor for a given situation Pvthon Learning Management System (LMS) – Student Accounts Login Programmer FreeCodeCamp - WebStack: 4.3 Identify the correct certification 15 Steps per school day, syntax and usage for shows that 15x 5 = 75 steps Thurs.-Thurs. per school week constants and the individual Learn HTML by Building a Cat Photo App (steps 1-69) variables in a program is familiar with Learn Basic CSS by Building a Cafe Menu (steps 1-91) Naming conventions universal Learn CSS Colors by Building a Set of Colored Markers (steps 1-94) • Difference and usage computer * Not counting 1st week, wk2-4, counting 3 weeksth done: 3 x 75 = 225 steps programming Tuesday Should be in Course "CSS Colors by Building a Set of Colored Markers" STANDARD 12.0 concepts like **DEVELOP A PROGRAM** data types, TechSmart - Python 12.1 Use a program containers, Unit 1: Linear Programs editor to enter and functions, Lesson 1.1: Statements and Variables modify code conditions. loops, as well Lesson 1.2: Libraries 12.2 Identify correct as Python Lesson 1.3: Values (Conti-Feb. 5-7) programming input/output statements Lesson 1.4: Expressions (Feb. 8-9) language syntax, 12.3 Choose the semantics, Software and App Design - 11.0202.00 correct method of and the assigning input to runtime Arizona Department of Education Website: variables including environment. Program Description/Industry Credentials/Coherent Sequence/ data sanitization www.azed.gov/cte/sd/ pythoninstitute.o STANDARD 14.0 rg/pcep UTILIZE AND CREATE *** COMMUNITY **Certified Internet RESOURCES** Web (CIW) JavaScript 14.1 Use standard Specialist library functions

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PCEPTM – Certified Entry-Level Python Programmer (Exam PCEP-30-0x)

Notes:

РСЕРТМ -Certified Entry-Level Python Programmer certification shows that the individual is familiar with universal computer programming concepts like data types, containers, functions, conditions, loops, as well as Python programming

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environment.

language

semantics,

syntax,

and the

Certified Internet Web (CIW) JavaScript Specialist

02/07/2024 -

Objective:

Students will:

- continue to define what the Software & App Class is and what are the Arizona State Standards, skills, and possible credentials, certifications.
- Understand the front and backend of a web-stack
- Start with front-end: HTML and CSS using freecodecamp
- Begin TechSmart: CS Python Learning Management System (LMS)

Lesson Overview:

- Look at Arizona State Standards
- Software & App Design: Define what is.
- Resources
- w3schools. Stackoverflow, pythontutor

Learning Management System (LMS) – Student Accounts Login

- FreeCodeCamp WebStack:
 - 15 Steps per school day,
 - 15x 5 = 75 steps Thurs.-Thurs. per school week
 - Learn HTML by Building a Cat Photo App (steps 1-69)
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 - Should be in Course "CSS Colors by Building a Set of Colored Markers"
- TechSmart Python
 - Unit 1: Linear Programs
 - Lesson 1.1: Statements and Variables
 - Lesson 1.2: Libraries
 - Lesson 1.3: Values (Conti-Feb. 5-7)
 - Lesson 1.4: Expressions (Feb. 8-9)

Software and App Design - 11.0202.00

<u>Arizona Department of Education Website:</u> Program Description/Industry Credentials/Coherent Sequence/ www.azed.gov/cte/sd/

Academic Standards:

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STANDARD 12.0 DEVELOP A PROGRAM

- 12.1 Use a program editor to enter and modify code
- 12.2 Identify correct input/output statements
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STANDARD 14.0 UTILIZE AND CREATE COMMUNITY RESOURCES

14.1 Use standard library functions

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Notes: Objective: Students will: PCEPTM -Certified **Entry-Level Python** Programmer (Exam PCEP-30-0x) **Lesson Overview:** РСЕРТМ -Certified Entry-Level Python Programmer certification

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pythoninstitute.o rg/pcep

Certified Internet Web (CIW) JavaScript Specialist

02/08/2024 - Parent Teacher Conference - Shortened Day

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Software and App Design - 11.0202.00

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as Python programming

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environment.

pythoninstitute.o

Certified Internet

syntax,

runtime

rg/pcep

Web (CIW)

JavaScript Specialist

Notes: 02/09/2024 - Parent Teacher Conference - Shortened Day Objective: Students will: PCEPTM -Certified continue to define what the Software & App Class is and what are the Arizona State **Entry-Level** Standards, skills, and possible credentials, certifications. **Python** Understand the front and backend of a web-stack **Programmer** Start with front-end: HTML and CSS using freecodecamp (Exam PCEP-Begin TechSmart: CS Python Learning Management System (LMS) 30-0x) **Lesson Overview:** РСЕРТМ -Look at Arizona State Standards Certified Software & App Design: Define what is. Entry-Level Python Programmer • w3schools. Stackoverflow, pythontutor certification Learning Management System (LMS) – Student Accounts Login shows that FreeCodeCamp – WebStack: the individual 15 Steps per school day, is familiar with 15x 5 = 75 steps Thurs.-Thurs. per school week universal Learn HTML by Building a Cat Photo App (steps 1-69) computer Learn Basic CSS by Building a Cafe Menu (steps 1-91) programming

TechSmart – Python

- Unit 1: Linear Programs
 - Lesson 1.1: Statements and Variables

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Software and App Design - 11.0202.00

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