Notes: 02/13/2024 -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 language syntax, semantics, and the runtime

pythoninstitute.o rg/pcep

environment.

Certified Internet Web (CIW) JavaScript Specialist

02/14/2024 -

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)
 - Learn Basic CSS by Building a Cafe Menu (steps 1-91)
 - Learn CSS Colors by Building a Set of Colored Markers (steps 1-94)
 - * Not counting 1st week, wk2-4, counting 3 weeksth done: 3 x 75 = 225 steps
 - 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:

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

library functions

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PCEPTM – Certified Entry-Level Python Programmer

Notes:

Programmer (Exam PCEP-30-0x)

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 language syntax, semantics. and the runtime environment.

pythoninstitute.o rg/pcep

Certified Internet Web (CIW) JavaScript Specialist

02/16/2024 - No School

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Software and App Design - 11.0202.00

<u>Arizona Department of Education Website:</u>
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STANDARD 14.0 UTILIZE AND CREATE COMMUNITY RESOURCES

14.1 Use standard library functions