Name:	Grading Quarter:	Week Beginning:
Robert Lefrandt	1	08/28/2023
School Year: 2023-24	Subject: Software	

	Notes:	08/28/2023 - Monday - 5th Week	Academic Standards:
Monday	Unit 1: Linear Programs Lesson: 1.3 Values Days: 2/4	Objective: STANDARD 1.0 APPLY PROBLEM-SOLVING AND CRITICAL THINKING SKILLS 1.1 Establish objectives and outcomes for a task 1.2 Explain the process of decomposing a large programming problem into smaller, more manageable procedures 1.3 Explain "visualizing" as a problem-solving technique prior to writing code 1.4 Describe problem-solving and troubleshooting strategies applicable to software development 4.1 Declare numeric, Boolean, character, string variables, and float and double 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 4.4 Identify the correct syntax and safe functions for operations on strings, including length, substring, and concatenation 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 12.10 Demonstrate the use of parameters to pass data into program modules 13.1 Identify errors in program modules 14.1 Use standard library functions 14.2 Find and use third party libraries (e.g., web-based and package managers) 14.3 Explain and interact with an Application Program Interface (API) https://www.azed.gov/sites/default/files/2020/09/SoftwareandAppDesignTSs11020200.pdf Lesson Overview: Students will login to their Smart Tech Coders CS 201 Python	Academic Standards: https://www.azed.gov/sites/default/files/2020/ STANDARD 1.0 APPLY PROBLEM-SOLVING AND OF STANDARD 4.0 UTILIZE PRIMITIVE DATA TYPES ASTANDARD 12.0 DEVELOP A PROGRAM STANDARD 13.0 TEST AND DEBUG TO VERIFY PROSTANDARD 14.0 UTILIZE AND CREATE COMMUNICATION TO STANDARD 14.0 UTILIZ

Decor Helper	
If finish TechSmartCoders – Python Daily Lessons and Activity library, then go to: FreeCodeCamp and work on Front/Back End Web Stack and Certifications	

	Notes:	08/29/2023 - Tuesday - 45h Week	Academic Standards:
	Unit 1: Linear Programs Lesson: 1.3 Values Days: 3/4	Objective: STANDARD 1.0 APPLY PROBLEM-SOLVING AND CRITICAL THINKING SKILLS 1.1 Establish objectives and outcomes for a task 1.2 Explain the process of decomposing a large programming problem into smaller, more manageable procedures 1.3 Explain "visualizing" as a problem-solving technique prior to writing code 1.4 Describe problem-solving and troubleshooting strategies applicable to software development 4.1 Declare numeric, Boolean, character, string variables, and float and double 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 4.4 Identify the correct syntax and safe functions for operations on strings, including length, substring, and concatenation	https://www.azed.gov/sites/default/files/2020/ STANDARD 1.0 APPLY PROBLEM-SOLVING AND OF STANDARD 4.0 UTILIZE PRIMITIVE DATA TYPES A STANDARD 12.0 DEVELOP A PROGRAM STANDARD 13.0 TEST AND DEBUG TO VERIFY PROSTANDARD 14.0 UTILIZE AND CREATE COMMUNICATION
Tuesday		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 12.10 Demonstrate the use of parameters to pass data into program modules 13.1 Identify errors in program modules 14.1 Use standard library functions 14.2 Find and use third party libraries (e.g., web-based and package managers) 14.3 Explain and interact with an Application Program Interface (API) https://www.azed.gov/sites/default/files/2020/09/SoftwareandAppDesignTSs11020200.pdf Lesson Overview: Students will login to their Smart Tech Coders CS 201 Python accounts. Students will work though the Learning Management System (LMS) curriculum to learn Python. Unit 1: Linear Programs Lesson: 1.3 Values Days: 3/4 Activities Warm-Up: Turn Ball Integers and Floats Horseshoe Order Math Practice Warm-Up: Data Check Typecasting Fishtank Runner Reducing Waste Warm-Up: How Much Screentime Warm-Up: Tip Calculator Activity Library Song Shifter	
		Saving Goals	

	Decor Helper	
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Activity Library Song Shifter Saving Goals Decor Helper	
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	Notes:	08/31/2023 - Thursday - 5th Week	1
		Objective:	ŀ
		STANDARD 1.0 APPLY PROBLEM-SOLVING AND CRITICAL THINKING SKILLS	
		1.1 Establish objectives and outcomes for a task 1.2 Explain the process of decomposing a large programming problem into	1
	Unit 1:	smaller, more manageable procedures	,
	Linear	1.3 Explain "visualizing" as a problem-solving technique prior to writing code	
	Programs	1.4 Describe problem-solving and troubleshooting strategies applicable to software development	5
	Lesson:		9
	1.3	4.1 Declare numeric, Boolean, character, string variables, and float and double	
	Values	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	
		4.4 Identify the correct syntax and safe functions for operations on strings,	,
	Days:	including length, substring, and concatenation	
	4/4		1
		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	-
	<u>*** f</u>	12.10 Demonstrate the use of parameters to pass data into program modules	ł
	<u>complete</u>		
	go to:	13.1 Identify errors in program modules	
	Research		
	Question	14.1 Use standard library functions 14.2 Find and use third party libraries (e.g., web-based and package managers)	
	Tech	14.3 Explain and interact with an Application Program Interface (API)	
	Impact		
ᅻ		https://www.azed.gov/sites/default/files/2020/09/SoftwareandAppDesignTSs11020200.pdf	
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Thursday			
ау		Lesson Overview:	
		Students will login to their Smart Tech Coders CS 201 Python	
		accounts. Students will work though the Learning Management	
		System (LMS) curriculum to learn Python.	
		Unit 1: Linear Programs	
		Lesson: 1.3 Values	
		Days: 4/4	
		***If complete go to:	
		Research Question	
		Tech Impact	
		<u>Activities</u>	
		Warm-Up: Turn Ball	
		Integers and Floats	
		Horseshoe Order	
		Math Practice	
		Warm-Up: Data Check	
		Typecasting	
		Fishtank Runner	
		Reducing Waste	
		Warm-Up: How Much Screentime	
		Warm-Up: Tip Calculator	

Academic Standards:

https://www.azed.gov/sites/default/files/2020/

STANDARD 1.0 APPLY PROBLEM-SOLVING AND

STANDARD 4.0 UTILIZE PRIMITIVE DATA TYPES A

STANDARD 12.0 DEVELOP A PROGRAM

STANDARD 13.0 TEST AND DEBUG TO VERIFY PR

STANDARD 14.0 UTILIZE AND CREATE COMMUN

14.1 Use standard library functions

14.2 Find and use third party libraries (e.g., web

14.3 Explain and interact with an Application Pr

https://www.azed.gov/cte/profskills/

	Activity Library Song Shifter Saving Goals Decor Helper	
	Research Question Tech Impact ***If finish TechSmartCoders – Python Daily Lessons and Activity	
	library, then go to: FreeCodeCamp and work on Front/Back End Web Stack and Certifications***	

	Notes:	09/01/2023 - Friday - 5th Week	https://www.azed.gov/sites/default/files/2020/
		****NO SCHOOL?***	STANDARD 1.0 APPLY PROBLEM-SOLVING AND
		Objective:	STANDARD 4.0 UTILIZE PRIMITIVE DATA TYPES A
	Unit 1: Linear	STANDARD 1.0 APPLY PROBLEM-SOLVING AND CRITICAL THINKING SKILLS 1.1 Establish objectives and outcomes for a task	STANDARD 12.0 DEVELOP A PROGRAM
	Programs	1.2 Explain the process of decomposing a large programming problem into smaller, more manageable procedures	STANDARD 13.0 TEST AND DEBUG TO VERIFY PR
	Lesson:	1.3 Explain "visualizing" as a problem-solving technique prior to writing code 1.4 Describe problem-solving and troubleshooting strategies applicable to	STANDARD 14.0 UTILIZE AND CREATE COMMUN
	1.3 Values	software development	14.1 Use standard library functions
		4.1 Declare numeric, Boolean, character, string variables, and float and double4.2 Choose the appropriate data type for a given situation	14.2 Find and use third party libraries (e.g., web
	Days: 4/4	4.3 Identify the correct syntax and usage for constants and variables in a program 4.4 Identify the correct syntax and safe functions for operations on strings,	14.3 Explain and interact with an Application Pro
		including length, substring, and concatenation	https://www.azed.gov/cte/profskills/
		12.1 Use a program editor to enter and modify code 12.2 Identify correct input/output statements	
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		12.10 Demonstrate the use of parameters to pass data into program modules	
		13.1 Identify errors in program modules	
		14.1 Use standard library functions 14.2 Find and use third party libraries (e.g., web-based and package managers)	
Fr		14.3 Explain and interact with an Application Program Interface (API)	
Friday		https://www.azed.gov/sites/default/files/2020/09/SoftwareandAppDesignTSs11020200.pdf	
		Lesson Overview:	
		Students will login to their Smart Tech Coders CS 201 Python	
		accounts. Students will work though the Learning Management System (LMS) curriculum to learn Python.	
		Unit 1: Linear Programs	
		Lesson: 1.3 Values Days: 4/4	
		<u>Activities</u>	

Warm-Up: Turn Ball Integers and Floats Horseshoe Order Math Practice

Warm-Up: Data Check

Warm-Up: How Much Screentime Warm-Up: Tip Calculator

Typecasting Fishtank Runner Reducing Waste

Activity Library Song Shifter Saving Goals

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