Assessment Answer Key Phase 3

Lesson 3.1 Summative Assessment Answer Key

1. D: Piper circuits and code cannot interact together to cause things to happen

2. C: Pseudocode is written for humans to understand and programs are written for computers to understand

3. A: a step-by-step set of operations to be performed to help solve a problem.

4. C: To run the same sequence of code multiple times.

5. B: Identifying a series of steps for a task

6. D: Vanilla, Chocolate, Strawberry, Banana

7. B: An algorithmic set of instructions that a computer processes to achieve a particular objective.

8. A: Hardware, Software

9. C: texting, posting pics, emojis, stickers

10. Alternative question 9- possible answers: logic, problem solving, analyzing data, algorithms, putting things in order, ordered steps, respond to challenges, open-ended problems, complexity, design a solution, no answers, going from start to finish, troubleshooting, debugging

Lesson 3.2 Summative Assessment Answer Key

1. B: Loop

2. A: Break it up into smaller manageable tasks.

3. C: Test and debug and change it till it works

4. B: Algorithm

5. D: Code Tab

6. A: Electronics Tab

7. B: Blockly language

8. A: Sequence

9. B: Pseudo code

10. C: Blockly and Python

Lesson 3.3 Summative Assessment Answer Key

1. A: One thing causing another thing to happen
2. B: Repeat while Pin __ is On
3. C: Repeat while
4. A: Repeat forever
5. B: Nested loops
6. D: All of these things.
7. A: Inputs, Outputs
8. B: Check the status of the input of the button being pressed when the Pin is On

Lesson 3.4 Summative Assessment Answer Key

1. B: Debugging
2. D: All of these are good troubleshooting strategies
3. D: Repeat forever
4. C: an Event
5. C: Wait until Pin __ is Off
6. B: Repeat while Pin 24 is on
7. D: Play Sound
8. A: Turn Pin __ On

Questions for Additional Projects:
Variables:
9. A: Variable
10. D: Conditions
11. B: Change __ by 1

Loops:
12. B: Repeat _ times
13. D: Conditional
14. C: If Else