

### 3 Column Table

#### BHAG (Big Hairy Audacious Goal) – Overarching Course Goal

Upon completion of this Scratch module, learners will be able to create and solve problems through coding.

Learning Goals	Learning Activities	Assessment Activities
<p><b>Foundational</b> Learners will analyze the fundamental basics of computer coding in Scratch.</p>	<p>View and discuss PowerPoint (PowerPoint Karaoke1). Collaborate and generate “how-to” questions with step-by-step instructions.</p>	<p>Discuss and analyze the importance of computer programming, following directions, and reading instructions. Reflection on Scratch PowerPoint.</p>
<p><b>Application</b> Learners will analyze and evaluate basic Scratch commands.</p>	<p>Peer-to-peer review. Learners will share thought process behind movement, music, and background of their Hello script.</p>	<p>Hello script.</p>
<p><b>Integration Stage 1</b> Learners will review and research other simple Scratch scripts to use as examples for the class, then collaborate and predict script of examples.</p>	<p>Browse the Scratch website to find examples of simple scripts. Submit web address of scripts to be viewed by class.</p>	<p>Website of sample Scratch script. Discussion (did code involve “if/then” loop?)</p>
<p><b>Integration Stage 2</b> Learners will analyze a script that has at least three to five commands that incorporate background, sound, and movement.</p>	<p>Learners will collaborate, create, and share script with at least one classmate.</p>	<p>Script must run properly. Complete Quizzizz online assessment.</p>
<p><b>Human Dimensions/ Caring</b> Learners will analyze the role of computer algorithms to see their effectiveness on society.</p>	<p>Peer-to-peer reviews using Google Docs.</p>	<p>Reflect and discuss the how computers do not have independent decision making processes. Reflect and discuss how computers only follow the directions that humans provide.</p>

**Learning How To Learn**

Learners will learn how to follow step-by-step instructions in coding to create a script.  
Learners will develop an awareness of human algorithms vs computer algorithms.

Review and share YouTube videos with class.

Learners will choose a partner in class to create a collaborative presentation on “How Computers Think vs How Humans Think.”