AP Computer Science Principles

Unit: Game Design

Lesson 2: Code a game from instructions, debug and

improve

Link: https://snap.berkeley.edu

NYS Standards:

9-12.CT.8 Develop a program that effectively uses control structures in order to create a computer program for practical intent, personal expression, or to address a societal issue.

9-12.CT.9 Systematically test and refine programs using a range of test cases, based on anticipating common errors and user behavior.

Learning Intentions:

Follow	instruc	ctions	to	create	а	game,	"Sta	ır Hunte	er"
that i	nvolves	the in	nter	raction	of	multi	ple	sprites	3,
and a	score fu	unction	١.						

- $\hfill\square$ Remix your code to personalize it
- $\hfill\Box$ Explain how the code functions
- ☐ Debug and improve your code based on classmate feedback

Instructions:

1) Follow the steps for the game **Star Hunter** in "Coding games in Scratch

2) Paste a SHARED link to your	project here (I will be
able to see updates/changes as	long as you save them).

3) Paste pics of each independent code segment (ie, each segment with a hat block at the top), and describe its purpose or function, and how it works.

CODE PIC	PURPOSE/FUNCTION/HOW IT WORKS			

(Add rows as needed)

4) **REMIX!** Personalize your code with backgrounds, costumes and some variation on the game play. Explain your customization here:

5) TEST AND DEBUG:						
Find a classmate to run your program.						
Name of classmate:						
Your classmate must suggest 1-2 ways to improve your program. Document the suggestions in the table below. Before making changes, paste a script pic of the code that should be modified. After you make the changes, paste a pic of the improved code.						
Suggestion	Old code	New Code				