4-H Video Gaming
and Computer Coding
Level 2 (Grades 6-8)
Record Sheet

Record for Year _____
A completed record sheet is due by the last business day of May to exhibit each project at the fair.
Use any 4-H publications, the internet, the library, or a professional to help you prepare your responses.

The Basics

Name _____ 4-H Club _____

Years in 4-H _____ Grade _____ Years in Project _____

Powering On

Coding is used in both computer programming and video game programming. Let's start with a super basic algorithm, or series of instructions to complete a task. Use the programming key and example to the left to complete the code to the right. Begin in the upper left corner.

→ = Move one square forward	↓ = Move one square down
← = Move one square backward	↑ = Move one square up
✹ = Fill in the square with color	

→✹→↓
←←
✹→→✹↓
←←
→✹→

↓→→✹↓←←
→✹→✹→→✹↓
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←←←←
→→✹→✹→✹↓
←←←←
→→✹→→✹→

What image do you create on the bit array (or bitmap) above? _____

What is virtual reality and how is it incorporated into video games? _____
_____
_____

What is Bluetooth and how do Bluetooth headsets, controllers, speakers, and other Bluetooth gaming or computer devices work? _____
_____
_____

Provide at least one fact about each video game listed below.

Pong: _____

Donkey Kong: _____

Sonic the Hedgehog: _____

Minecraft: _____

Fortnite: _____

Processing

What are the benefits and dangers of video games or computer games for youth your age?

Benefits of Video Games:	
Dangers of Video Games:	

In what ways can video games or computer games be used for education? Give at least one example. _____
_____
_____

How much screen time is too much screen time? _____

What kind of conversations have you had at your house about internet safety? What rules are in place at your house, if any, in regards to time spent online, the sharing of personal information, in-game purchases, the need to ask permission to play, etc.? _____
_____
_____

Game Over

What is one thing you learned or sparked your interest as a result of completing this project? _____
_____
_____

In what way does this project apply to your life, or why is this subject matter important to you? _____
_____
_____