



Completed (40 possible)	_____
Accuracy of answers (30 possible)	_____
Appropriate grammar (15 possible)	_____
Neatness of record (15 possible)	_____
Total	_____
A = 86-100 points	
B = 71-85 points	
C = 70 points or less	

# 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 June 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 backward ■ = Fill in the square with color	↓ = Move one square down ↑ = Move one square up
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			→ ■ → ↓
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						↓ → → ■ ↓ ← ←
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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? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_