



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 1 (Grades 3-5) 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**

Binary code is a digital instruction system for computers developed with only two possibilities, off and on, represented by 0 and 1. For our purposes, 0 will represent a white space, and 1 will represent a shaded or color-filled space. Practice very basic coding by completing the bit array (or bitmap) to the right based on the example to the left.

	<p>111111111</p> <p>111111111</p> <p>110010011</p> <p>110010011</p> <p>111111111</p> <p>100111001</p> <p>110111011</p> <p>111000111</p> <p>111111111</p>		<p>000010000</p> <p>000111000</p> <p>001101100</p> <p>011111110</p> <p>001111100</p> <p>001111100</p> <p>001101100</p> <p>001101100</p> <p>001101100</p> <p>001101100</p>
--	--	--	---

Define high definition as it relates to TV or computer screens. \_\_\_\_\_

Nintendo originated as a card game manufacturer, but quickly gained popularity with game consoles. Name three home or handheld Nintendo game consoles, current or historic.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

List three types of video game systems or computers and their approximate retail price. Put a star by your favorite.

1. \_\_\_\_\_ \$ \_\_\_\_\_
2. \_\_\_\_\_ \$ \_\_\_\_\_
3. \_\_\_\_\_ \$ \_\_\_\_\_

The Entertainment Software Rating Board uses symbols to rate the age appropriateness of video games. Describe the age appropriateness of each symbol below.



--	--	--

### Processing

What are the benefits of video games or computer games for youth your age? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_