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**Activity**

System Requirements for a Video Game

MODULE 4: Microcomputers

This **activity** was written for the Florida Public School System DIGITAL INFORMATION TECHNOLOGY (8207310) course. Funded by the Cyber/IT Pathways Program, Cyber Florida, and the Florida Department of Education.

# Module 4: Microcomputers

## Activity: System Requirements for a Video Game

The student determines which computer has the system requirements to play the video game Fortnight.

## Standards Assessed

* **02.03** Examine the concepts of computer maintenance and upgrades.

## Teacher Notes

The teacher demonstrates how to find the specifications of the classroom computer.

## Estimated Student Completion Time

* 15 minutes to complete the activity

## Activity Rubric

Consider evaluating the student’s work based on measures of quality. For example, with a maximum of 4 Points Possible, the following could be applied to the activity:

* **1 Point Earned** = ***Needs Improvement*** (the student work did not meet more than 50% of the requirements and did not follow instructions)
* **2 Points Earned** = ***Developing*** (the student met between 50% and 75% of the requirements and generally followed the instructions)
* **3 Points Earned** = ***Sufficient*** (the student met between 75% and 90% of the requirements and clearly followed instructions)
* **4 Points Earned** = ***Above Average*** (the student met > 90% of the requirements and followed all instructions)

# Activity: System Requirements for a Video Game

**Student Instructions**:

New software always has a minimum system requirement, which means that the computer CPU, RAM, etc. has to be of a certain quality to run that program. Look at the sample below and each specification listed to determine whether or not it will support the video game Fortnight. Enter an X in the YES column if the specifications meet the system requirements or in the NO column if it does not.

**The recommended system requirements for Fortnight are:**

* Video Card: Nvidia GTX 960, AMD R9 280, or equivalent DX11 GPU
* Video Memory: 2 GB VRAM
* Processor: Core i5-7300U 3.5 GHz, AMD Ryzen 3 3300U, or equivalent
* Memory: 16 GB RAM or higher
* Hard Drive: NVMe Solid State Drive
* OS: Windows 10/11 64-bit

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| --- | --- | --- |
| **Specifications** | **YES** | **NO** |
| Windows 10 64-bit, Core i5 3.5 GHz, 4 GB RAM, HD 8000 |  |  |
| Windows 10 32-bit, Core i7 3.5 GHz, 16 GB RAM, Solid State |  |  |
| Windows 10 64-bit, Core i7 3.2 GHz, 32 GB RAM, HD Solid State |  |  |