N4/5 Computing Science – Computer Systems

Due Date: Thursday 2nd November

Name

CS Homework 2

Write your answers on this sheet in the spaces provided.

1. Name and describe the 3 parts of a device processor.
2. What is the job of Memory and Storage in devices? Explain how RAM locations work.

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1. What do the Buses of a system do? Name and describe the 2 main buses in the boxes below.

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1. Explain the need for Translation of computer programs we write.

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1. Explain how an Interpreter works and state the main advantage of using it to translate.

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1. Explain how a Compiler works and state 2 advantages of using it to translate.

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1. Our device use has a detrimental impact on the environment, state 2 ways we can reduce impact of computer systems use to help our carbon footprint.

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1. Describe what a Firewall does.

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1. Explain why Encryption is vital in modern communication and describe in general how it works when sending information.

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