|  |
| --- |
| Network Risk Assessment |

[Enter school name.]

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Unit | Esports Network Security | Year | Year 7 | Term | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
| Student | [Enter student name.] | Teacher | [Enter teacher name.] |
| Learning area | Technologies | Subject | Digital Technologies |
| Technique | Investigation | | |
| Conditions | * 300 – 400 words * 4 weeks * Individual * Submitted via OneDrive | | |
| Task description | | | |
| As you have discovered this term in Digital Technologies, there are many career opportunities surrounding the esports industry. One such career is in network architecture and engineering. Our school will be hosting a High School Rocket League competition in which schools will go head-to-head in 3v3 matches. You are tasked with arranging the computer and network hardware for the event, choosing the network topology and setup and doing a threat assessment for cyber-security risks. | | | |
| Task instructions | | | |
| To complete this task, you must:   * Select and list of hardware components needed for the PCs that will be used at the Esports tournament (6 PCs for 3v3 Rocket League) * Detail the network hardware requirements and setup for the tournament, including:   + an explanation of a local area network (LAN) compared to a wide area network (WAN)   + a comparison of wired and wireless network setups   + a network map explaining how the tournament will be set up. * Complete the provided threat assessment form, identifying two potential cyber-security threats and recommending appropriate risk management strategies. | | | |
| Checkpoints | | | |
| Week 7: Initial formative feedback on progress, given verbally in class | | | |
| Week 8: Draft due | | | |
| Week 9: Final due | | | |
| Due date | | | |
| [Enter a date from the dropdown calendar.] | | | |
| Authentication strategies | | | |
| Add or delete authentication strategies as appropriate. | | | |
| * Your teacher will give you class time to work on the task. | | | |
| * Your teacher will observe you completing work in class. | | | |
| * Submit drafts to your teacher for feedback. | | | |
| * Your teacher will check your submitted work is your own, e.g. using academic integrity software. | | | |

[](https://www.qcaa.qld.edu.au/copyright) © State of Queensland (QCAA) 2022

**Licence:** <https://creativecommons.org/licenses/by/4.0> **| Copyright notice:** [www.qcaa.qld.edu.au/copyright](https://www.qcaa.qld.edu.au/copyright) —   
lists the full terms and conditions, which specify certain exceptions to the licence. **|   
Attribution** (include the link): © State of Queensland ([QCAA](https://www.qcaa.qld.edu.au/copyright)) 2022 [www.qcaa.qld.edu.au/copyright](https://www.qcaa.qld.edu.au/copyright).

**Task:** Network Risk Assessment

**Purpose of assessment:** Students select appropriate hardware for a gaming PC, identify cyber-security threats including phishing, and explain differences in the transmission and security of data over networks.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | **A** | **B** | **C** | **D** | **E** |
| Knowledge and Understanding | Digital systems | * proficient selection of appropriate hardware for particular tasks | * effective selection of appropriate hardware for particular tasks | * selection of appropriate hardware for particular tasks | * guided selection of appropriate hardware for particular tasks | * directed selection of appropriate hardware for particular tasks |
| * considered explanation of how data is transmitted and secured in networks | * detailed explanation of how data is transmitted and secured in networks | * explanation of how data is transmitted and secured in networks | * description of how data is transmitted and/or secured in networks | * statement/s about data transmission and/or security |
| Processes and production skills | Privacy and security | * discerning identification of cyber security threats | * informed identification of cyber security threats | * identification of cyber security threats | * partial identification of cyber security threats | * directed identification of cyber security threats |

Feedback: [Insert feedback about the quality of evidence the student response demonstrates in relation to aspects of the achievement standard being assessed]

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_