

Lesson Plan	
Topic: Year 7 Digital Technologies Class: 7DT3 (15 students)	Date: 17/08/18 (Fri W5, Term 3) Venue/Time: Library, P5 (1:15-2:15)
Lesson overview	
Lesson Topic: Discovering School Network	
Relevant AC content: <ul style="list-style-type: none"> Different types of networks, including wired, wireless and mobile networks (ACTDIK023) Hardware components of a network (ACTDIK023) 	
Students' prior knowledge: Students are assumed to be able to: <ul style="list-style-type: none"> Describe the components of the home network, such as router, modem and a node Describe the LAN and the WAN 	
Lesson Outcomes: All students will be able to: <ul style="list-style-type: none"> Identify the components of the school network Most students will be able to: <ul style="list-style-type: none"> Understand how the different network devices work together to form the school network Explain the differences between the home network and the school network 	
Resources and Materials: 1x worksheet	
Lesson Details	
Time	Procedures
1:15(5)	Preparation Make sure no students are in the usual venue – check attendance [Student name] – on RMP, contact front office if not seen
1:20(45)	Main activity 1:20(5) Introduction Review the plan of today <ul style="list-style-type: none"> Form two groups as decided in the previous lesson One group leaves the library and find the network devices with the teacher The other stays in the library and complete the worksheet Hand over the worksheet
1:25(40)	Outdoor activity 20 minutes per group The students are guided by the teacher and the IT specialist Devices to discover: <ul style="list-style-type: none"> Server room (Server HDD, central router, switch, UPS) Switch room (Humanities area) – Secondary switch Room 1 – Router The other group of students <ul style="list-style-type: none"> supervised by another teacher and the librarian complete the worksheet using the library computers
2:05 (10)	Conclusion Students to log out from the computer Review the lesson <ul style="list-style-type: none"> Can you tell me how [the device] looked like? What do they do? What is the difference between your home router and the router at school? Clean the venue and leave
Evaluation	
<ul style="list-style-type: none"> Were students engaged during the class? How did I follow up the explanation of the IT specialist? Were the questions good? Did I provide the students with good feedback? Did the students meet the outcomes of the lesson? How can I test this? <ul style="list-style-type: none"> Could they explain the differences between the two networks? Will they retain the knowledge of the devices? 	

Commented [DN1]: In the previous lesson, the students learned and discussed familiar network devices, such as a router and a modem.

Commented [DN2]: Here I set three learning goals for the lesson. The primary goal of this lesson is to familiarise students with the back-end network devices and their characteristics. Because there were a couple of students with very limited abilities (especially reading and analysing), I set the “all students” goal to a level they can achieve. For the rest of the class, I expected them to be able to compare-and-contrast the school and home networks (**Descriptors 1.1, 1.5, 3.1, 3.3**).

Commented [DN3]: Here I demonstrate how I plan an activity that involves a fair amount of student movement (**Descriptor 3.2**).

Commented [DN4]: There was a student on the Risk Management Plan. The teacher had to immediately notify the office if they did not arrive at the class within five minutes so that the admin team could take further actions (**Descriptor 4.4**).

Commented [DN5]: The server room was too small to fit the entire class, and the IT specialist was not comfortable with dealing with too many students at once. Hence, we decided to split the group into two.

Commented [DN6]: This worksheet was designed to help students discover more information on the network devices discussed in this lesson.

Commented [DN7]: I prearranged this activity with the School IT specialist. She provided me the network diagram of the School and was willing to guide the group around the school to the different locations. Since she could not hold the duty of care, I was with her to assist and to meet the legislation (**Descriptor 7.2**).

Commented [DN8]: This is another preparation that needed to be done. Because the class needed to be divided into two groups, I booked the library and asked a teacher who had a DOTT to come over for 20 minutes and supervise the students (**Descriptor 7.2**).

Commented [DN9]: I prepared a list of questions to summarise the lesson, which are directly related to the lesson outcomes (**Descriptors 3.5, 4.2**).

Commented [DN10]: After the lesson, I realised many students found it interesting to see the different network components. However, some were quite distracted during the activity. If I were to deliver this lesson again, I would prepare a small hands-on activity to help students retain their concentration (**Descriptor 3.6**).

Commented [DN11]: The students had difficulties learning this topic because of the technical terms and ideas. I decided to include a think-pair-share activity on the roles of school network devices as a formative assessment tool to check and reinforce their knowledge (**Descriptors 3.6, 5.1**).