# P2 - Identify communication protocols and models.

**Introduction:**

**Main**

|  |  |
| --- | --- |
| Compulsory topic | Choice |

**You must provide a labelled diagram of TCP and OSI. You must also identify which of the protocols are within one of the devices or systems below.**

***Protocols*:** eg Bluetooth®, Wifi, IrDa, cellular radio, GSM/UMTS, WAP, WML, 802.11 standards, TCP/IP, wireless security protocols

**Models : *Open System Interconnection (OSI) model and TCP:***

***Transmission Control Protocol/Internet Protocol layers-***

***Application Layer:***

***Transport Layer:***

***Internet Layer:***

***Network Interface:***

**(M1 Explain why communication protocols are important)**

M1 is an extension of P2 going beyond a straightforward description where you will attempt to explain **why** protocols are important?

**(D1 Compare the OSI seven layer model and the TCP/IP model)**

D1 will requires additional work to outline the models and then compare their **features and uses**.

***Reference:***

BTEC Book page: 314- 315, 316-317

<http://quizlet.com/13365480/unit-1-understanding-how-networks-communicate-flash-cards/>

<http://ictsmksh.blogspot.co.uk/2010/07/introduction-to-computer-networks-and.html>

<http://users.telenet.be/mydotcom/library/network/netintro.htm>

<http://www.pctecmech.com/networking/How-Do-Computers-Communicate.php>

***The internet video we watched:***

[***http://youtu.be/7\_LPdttKXPc***](http://youtu.be/7_LPdttKXPc)

[***http://youtu.be/zyL1Fud1Z1c***](http://youtu.be/zyL1Fud1Z1c)