|  |  |
| --- | --- |
| Learner stage | What I should know, understand, be able to explain or do |
| Exceptional Mastery (E) | I know several types of network topologies, what they look like and advantages and disadvantages of each as well as what environment you would use them in.  I can explain several types of cyber-attacks and how to prevent them.  I understand how network various network protocols such as DNS, HTTP/S, TCP IP and ETHERNET are used to communicate on the internet. |
| Advancing mastery (A) | I know several types of network topologies, what they look like and advantages and disadvantages of each.  I know what the internet and world wide web is and why they are distinctly different.  I know several types of cyber attack |
| Secure mastery (S) | I know several types of network topologies and what they look like.  I know what the internet and world wide web is.  I know the difference between a wired and wireless network and their pros and cons.  I understand that the internet is a ‘network of networks’. |
| Developing mastery (D) | I know several types of network topologies.  I can identify several types of networking hardware and explain what they do.  I know the difference between a wired and wireless network. |
| Emerging mastery (F) | I know that the internet is connected together using fibre optic cables and satellites.  I know what is meant by ‘network topology’.  I understand what a network is. |