INT	Name	Section Day(s)	Section start time

Component	Module
Computer Fundamentals	The inner workings of the internet!

Work commenced on:	Work wrapped up on:

Module Overview:

The Internet and its linked-document system called the World Wide Web structures many parts of our lives today. Most business transactions are mediated by internet-connected devices. Let's learn what, exactly the Internet is how its world wide web actually works!

Instructions: Follow the activity guides on our internet module page and answer the corresponding questions on this hamburger to document your learning.

Exercise 1: Comparing server hops across the world
Complete a trace route for central/government websites in two or three different continents, compare it to google.com and capture your findings in this table & questions below:

Site URL	Continent & Country	Number of Total Hops	Longest Hop response time
google.com	USA		

1. So, how much longer does a packet sent to a server on another continent take to make a round trip compared to one sent to a server in the continental USA?

Extension: Locate a server in the USA that takes longer to communicate with than your foreign server. Record data about your exploration.

Exercise 2: Dissecting your favorite internet site

1. Navigate to an internet site about content you find interesting, such as ubuntu.com using google Chrome or Firefirox
2. Press F12 to load the developer tools
3. Navigate to the "Network" tab in Dev tools
4. Press F5 to reload the page with the Dev tools recording all resource getting activities
5. Populate the following table with data about the various servers from which your chosen website retrieves content
6. Click a few individual resources, and check out the actual headers on each resource

Name of resource	Type	Size	Remote address	Purpose of resource
ex: <a>				