| 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. What did you find?

**Exercise 2: Exploring internet sites with developer tools**
Record your findings about three different HTML tags that you found using the website inspector. Start with a normal layout.

| Tag name | Number of parent elements in normal layout | Number of parent elements in the Galaxy S7 |
|---|---|---|
| *ex: <a>* | | |
| | | |
| | | |

Now, Using the respnsive design mode, complete the right most column for the SAME element that you inspected in the normal mode.

*Describe how the website you chose displays differently in responsive design mode? How does the layout change?*