**Activity – KWL**

You may already know a few things about how the Internet works. Maybe you feel like you don't know anything, but in that case you might have questions or be curious about how things work.

To get started learning more about the Internet we want to get out into the open what we know and what we want to know more about.

It’s okay if you don’t know the whole thing. We want to collect the bits and pieces that we do know, and over the course of the next few activities we'll put it all together.

**Thinking prompt**:

“When you enter a web address in a browser and hit enter, what happens? At some point you see the web page in the browser, but what happens in between? What are all the steps?"

"Write down the series of things that you think (or have heard) happen right after you hit Enter. What happens first, second, third and so on. "

"Don’t worry if you don’t know all the pieces or how they all fit together. If you don't know a step, or you are fuzzy on some details, or there's a gap, that's okay. Just write down the parts that you know."

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|  |  | KWL Chart |

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| This KWL Chart tracks what you **K**now (**K**), **W**ant to know (**W**), and **L**earned (**L**) about a topic. Complete the **K** and **W** before beginning your project and add to the **W** and **L** sections as you work. At the end, reflect on where you began and all that you have learned at each point during the project. | | **Topic: ‘What is Internet and how it works?** |
| (K)now | (W)ant To Know | (L)earned |
| The internet is a somewhat recent invention that revolutionized the world.  Information can be easily transferred across the word with ease using this technology.  Applications can be broken down into multiple parts of code | How this invention was made  What order of people are responsible for the internet’s well being  How applications break down the work load onto different sections of a server or system. | The internet is running through multiple individual servers that uphold the internet across the word.  We learned that there are many tiny yet important tasks being handled when a user sends a request to do something, for example, as we saw: a simple click on a video caused 13 requests to be sent from the web browser to the web server. The interface step is composed of gui for the user to send requests from, and the business access layer and data access layer is composed of codes that will execute instructions that the users give. |
| Reflections and Other Thoughts | | |