

Your Name

Mr. Larson

Intermediate Computers

July 4, 1776

Instructions:

1. Follow the steps
2. 1" Margins
3. Font is Corbel 12
4. Put in the date correctly

Don't forget
your header!

Clients, Servers, and Networks

Justify the paragraphs

Your electronic devices need a way to use their network card or Wi-Fi radio to communicate with each other. In this paper we will learn more about how they work.

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Clients and Servers

At your house, at school, and at an office, you typically have **two kinds** of devices. One is a **client**, and one is a **server**.

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Clients. Clients are pretty simple to describe. They are any device you might use to access the network. That would include your desktop, laptop, game console, tablet, cell phone, or *even your fridge* (yes, you can buy one that has built in Wi-Fi today). At East Minico we have well over 1,000 clients connected to our network on an average day.

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Servers. Servers are also necessary. A **server** is a device that ties all your clients together. Without getting too technical, here at school we have several servers. One is responsible for simply connecting the computers together. Another one is responsible for letting you log in by checking your username and password. Another one is responsible for all the printers in the building, so you can print to any printer from almost any device you might be using!

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Networks

You will also need a network to connect your **clients** and **servers** together. There are three basic types of networks today.

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Local Area Network. A *Local Area Network*, also called a *LAN*, is a small network of computers that are located in one building. This is what you would typically find at your house, a school, an office, a store, or a small factory.

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Wide Area Network. A *Wide Area Network*, also called a *WAN*, is a group of buildings that have their networks connected together. Here at East we sort of have a WAN since the little building behind the school has to be connected to our network. Wal-Mart would definitely have a WAN since they need all their stores connected together so they can keep track of their inventory, employees, and everything else!

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Internet. Imagine the biggest WAN on Earth! That is right, it is the **Internet!** The Internet spans the globe, and nearly all the countries of the world are connected to it. On the internet, you will also find things like web servers. These servers hold websites that you can connect to. Netflix, Google, and Amazon all have servers that we use regularly.

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When Mr. Larson bought his first computer in 1991, home networks were unheard of. At his house today, he has one server, three desktop computers, three laptops, three iPads, two cell phones, a DVR, a printer, two audio receivers, two Blu-ray players, three Apple TV's, a Roku, and two TV's that are all connected to the network (no fridge yet)! Mrs. Larson was talking about the new AeroGarden she wants. It can connect to the internet so it will send her an email when it is time to add water for the plants! Mr. Larson wants a grill that connects to the internet so he can see when his food is done without checking on it. We have come a long way since 1991!

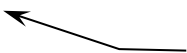
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Follow your Bibliography steps

Juarez, Dr. Jessica B. and Dr. Sam J. Montoya. Home Networks. Salt Lake City: Long and Timmons Publishing, 2019. Pages 35-45.

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