# How Our Network Works:

California Montessori Project owns two domains –

1. Our main domain is cacmp.org – this domain contains all Window computers, network equipment, copiers and other peripherals.
2. Our Google domain is cacmp.net – this domain contains Chromebooks only and is Cloud based.

## Main Domain Information – cacmp.org

This domain covers the whole of CMP and all devices within with the exception of our Chromebooks. Within this domain the following occurs:

1. All network traffic passes through a Content Filter, then a Firewall, then a Switch, then a Router.
2. Each of our campuses passes network traffic up to the Carmichael Campus and then it goes through our network equipment and out to the Internet
3. Network traffic coming into CMP passes through our Carmichael Campus and then out to its destination at each site
4. Our network security is handled locally at each device and also through the Firewall

## Google Domain Information – cacmp.net.

Residing in this domain (which is inside the cacmp.org domain) are all our Chromebooks. Within this domain, the following occurs:

1. Chromebooks have no hard drive and are only used to connect to the Internet and Google services. Very little information is stored on the Chromebook. All information is managed via our Google Apps for Education or GAFE account.
2. Once Internet traffic leaves the Chromebook it is filtered through our Google Apps for Education Account (GAFE) and once passed there, it then passes through our network servers, content filter and firewall.
3. The content coming into our cacmp.net domain is strictly monitored through cloud security and then again as it passes through GAFE and our content filter and firewall.
4. Each Chromebook user has an cacmp.net email account that can only be used WITHIN the cacmp.org and cacmp.net domains and intel.com (for PC Pals). All other email traffic is blocked and prohibited.

Looking at a diagram may help us visualize our network structure- see below:

Network Servers

Content Filter

Firewall

Switches

Routers

Cacmp.net

All Chromebooks

Carmichael Campus

PC Pals at Intel.com

Chromebook Email Accts Only

Internet

www. http:// and https://

Cacmp.org

All Windows Computers

Copiers, Printers and other

peripherals

## What is the Cloud?

The Cloud is a bank of secure servers utilizing Cloud server software. Some of the servers provide application services, others provide storage solutions, other provide an online service. Businesses save a lot of money by offering Cloud services as they can utilize just the server space they need today and easily expand to what they need tomorrow.

## CMP Data Security

All content leaving both the cacmp.org and the cacmp.net domains has to pass through a content filter which blocks the accessibility of content that is deemed inappropriate and categorized as such. No piece of equipment exists on the market today that can filter ALL inappropriate content, but CMP strives to do it’s best to protect our students from harmful content by having state of the art equipment in place for filtering and firewall protection.

All CMP parents and students must read CMP’s Information Technology Responsible Use Agreement and sign our CMP User Agreement and Parent Permission Form indicating their acceptance of our network policies and their approval for their student(s) to use our network and have access to the Internet.