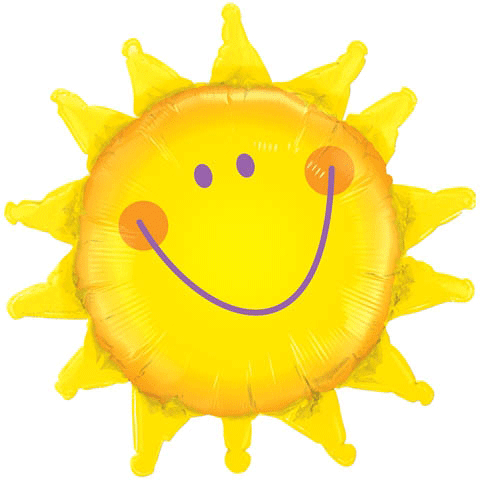
**Happy Haven Day Care**

**Network Proposal**



Consultant: Christian Hill

**Macro Computer Consultants**

**Overview**

* Cable
  + 1000FT Cat5e Bulk Bare Cable Copper Ethernet Cable, UTP, Solid, Riser Rated (CMR), 350MHz, 24AWG - Blue – GENERIC
    - $79.99
  + Bulk Cat5e 1000ft Plenum UTP Ethernet Cable – Blue
    - $115.99
* Wireless Access Points
  + Cisco WAP 131 Wireless-N Dual Radio Access Point
    - offers concurrent dual-band radios for improved coverage and user capacity
    - The Gigabit Ethernet port allows the AP to be powered by PoE switch to help reduce cabling and wiring costs.
    - Works right out of the box
    - $135.99 each or $679.95 for 5 access points
* Router
  + Linksys LRT214 Business Gig VPN Router
    - Open VPN Server Support
    - Integrated Firewall
    - 802.1q Support
    - Intuitive Web Administrative Interface
    - $199.99
* Switch
  + Cisco Small Business 200 series SLM2048T-NA
    - 48 ports
    - Supports up 1000MBPs
    - $428.98
* Server
  + HPE ProLiant ML110 Gen9 tower server
    - Automates the most essential server lifecycle management tasks: deploy, update, monitor, and maintain with ease.
    - A small, quiet tower with performance, expansion, and growth at an affordable investment to meet small to midsized business.
    - $1,086.99
* Server Rack
  + Tripp Lite 12U Wall-Mount Rack Enclosure Cabinet
    - Maximum load capacity of 200 lbs.
    - Swings away from wall on hinge for easy back-door access
    - $322.76
  + 48-Port 2U Rack-Mount Patch Panel
    - functionality and compatibility
    - will save you valuable space in on the rack
    - $87.00
* Server uninterruptible power supply
  + APC BR1500G Backups Pro 1500 VA 10 outlets UPS
    - Guaranteed protection and battery backup power for your valuable electronics, ensuring they remain safe from dangerous power disturbances
    - Guaranteed protection from surges and spikes caused by storms, lightning, circuit overloads, power cycling, etc.
    - $167.32
* External Hard Drive
  + Seagate Innov8 8 TB External HDD
    - no longer need an extra power source
    - All aluminum enclosure for simplicity and durability
    - $359.99
* Monitors
  + HP 2V2311 23” widescreen LED LCD Monitor
    - VGA
    - Stand included
    - $64.99 each or $1,949.70 for 30 stations
  + Generic VGA Cable
    - $2.49 each or $74.70 for 30 stations

**Class Rooms**

* Workstations
  + HP ProDesk 400 G3 Small Form Factor Desktop PC
    - Windows 10 pro 64
    - 4GB RAM
    - 500GB Hard Drive
    - Keyboard
    - Mouse
    - Warranty
    - $451.94 each or $2,711.64 for 6 workstations

**Computer Lab**

* Work Stations
  + HP ProDesk 400 G3 Small Form Factor Desktop PC
    - Windows 10 pro 64
    - 4GB RAM
    - 500GB Hard Drive
    - DVD ROM
    - Keyboard
    - Mouse
    - $581.15 each or $11,623.00 for 20 stations
* Printer
  + HP LaserJet Pro M501dn Monochrome Laser Printer
    - $399.99

**Administration Offices**

* Desktop
  + HP ProDesk 400 G3 Small Form Factor Desktop PC
    - Windows 10 pro 64
    - intel® Core™ i3-6300
    - 4GB RAM
    - 1TB Hard Drive
    - DVD drive
    - Keyboard
    - Mouse
    - $625.40
* Laptop
  + HP Notebook 15 Intel Core i5 Dual-Core 15.6" Laptop
    - business class laptop
    - i5 processor
    - 1TB Hard drive
    - $459.99
  + MK235 Wireless Key Board and Mouse
    - $29.99
  + Anker Dual Display Universal Docking Station
    - This docking station consolidate your devices and manages their performance
    - $94.99
* Printer
  + HP LaserJet Pro MFP M521dn
    - Print, copy, scan, and fax
    - $699.99

**Software**

* Microsoft Office Products 2016
  + Microsoft Office Home and Business 2016
    - 1 PC (1 License)
    - $105.99 or $2649.75 for 25 computers
* Windows server 2012
  + Microsoft Windows Server 2012 R2 standard 64-bit License
    - Achieve value quickly with a wide range of cost effective, high-performance options and simplified delivery of IT services
    - $599.99
  + Microsoft Windows Server 2012 R2 client access pack
    - 5-user CAL pack for use with windows server license
    - $179.99
* Security
  + McAfee Complete EndPoint Protection Business
    - an all-in-one solution that provides endpoint security for key devices in your enterprise
    - anti-malware, firewall, device control, and email and web security
    - $129.99
  + McAfee Complete EndPoint Protection Business Licenses
    - 25-50 users and 1 Year Gold Business Support
    - $23.56

**Labor**

* Set up
  + Hourly rate
    - 8 hours \* $80 hourly rate = $640 a day
    - Project completion in 5 Days
    - Total: $3200

**Budget**

* Cable: 1,000 ft. $195.98
* Wireless Access Points: 5 access points $679.95
* Router: 1 Router for computer lab $199.99
* Switch: 1 switch for the server closet $428.98
* Server: For the server closet $1086.99
* Server Rack: For the sever closet including the patch panel $409.76
* Server uninterruptible power supply: For the server closet $167.32
* External Hard Drive: for the server closet $359.99
* Monitors/VGA cables: for 30 workstations $2,024.40
* Employee Workstations: 6 for each classroom $2,711.64
* Computer Lab Workstations: 20 for the Computer Lab $11,623.00
* Admin Desktop: For back admins office $625.40
* Admin Laptop: For front admins office including keyboard/mouse $489.98
* Docking station: For laptop in front admins office $94.99
* Printers:1 in Admins office and 1 in the Computer Lab $1,099.98
* Microsoft Office Home and Business 2016: for 25 computers $2,649.75
* Windows Server 2012: software and licenses $779.98
* Internet Security: McAfee security including 50 licenses $153.55
* Labor: My work for 5 days $3,200.00

**TOTAL: $ 28,581.64**

**Legend**

