

Regional Occupational Program
Information Technology Career Pathway
Maywood Academy High School 6125 Pine Avenue Maywood, CA. 90270

Computer Networking 1
Network Proposal
3D Hologram Design

Prepared by
The Directioners:
Linda Marquez, Esmeralda Galvan, Maria Galvan

Presented to Instructor:
Mr. Hamilton

Directioners



Chief Financial Officer is responsible for the Controllershship duties, Treasury duties, and Economic strategy and forecasting

Marketing Manager Chief responsible for the sales management, product development, distribution channel management, marketing communications (including advertising and promotions), pricing, market research, and customer service

Chief Executive Officer is responsible for leading the development and execution of the Company's long term strategy with a view to creating shareholder value.

*We lead you
in the right
direction*

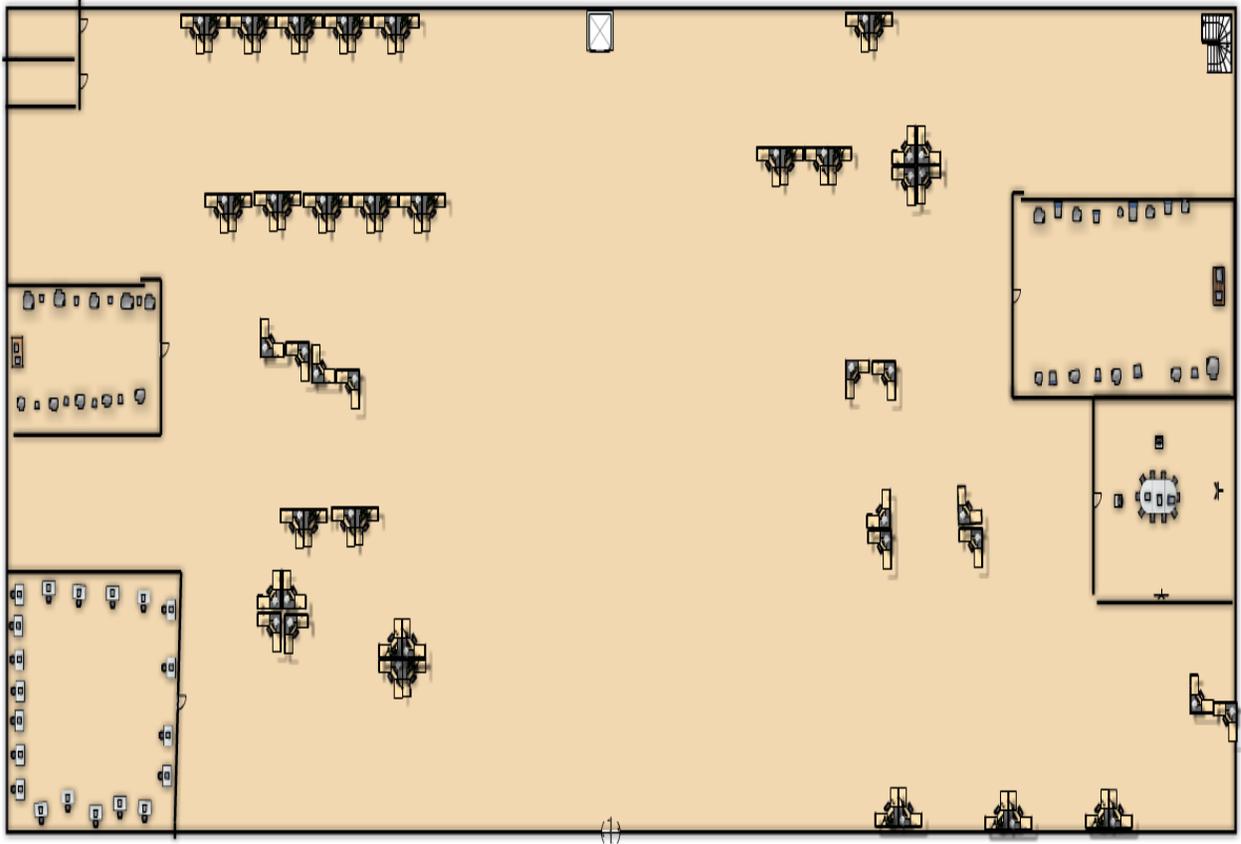
**42, Wallaby Way,
CA 90270**

Tel.: (323) 867-5309

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- . Technical Essay
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Floor Plan



Parts List:

Color Laser Jet Printers: 20



Laptops: 40



Servers: 4



Work Stations: 60



Price List

Budget: \$130,000

	Description	Unit Price	Quantity	Total Price
1	Color Laser Jet Printer CP6015DN	135.95	20	2,719
2	Laptops HP Pavilion	329.99	40	13,999.60
3	Servers HP NC360T	229.00	4	916.00
4	Work Stations Dell Precision	429.00	60	25,740



HP Color LaserJet CP6015dn Printer

★★★★★ 3 REVIEWS [Share](#)

Price: **\$4,199.99***

QTY:

Add to Cart

No Payments + No Interest if paid in full in 12 months with hpdirect.com Preferred Account. \$899 minimum purchase. [See Terms](#)

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Get a \$50 American Express Reward Card when you buy a LaserJet regularly priced \$499.99 or greater. Limit 2, while supplies last.

Save \$10 instantly on HP toner when you buy a LaserJet printer



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[HP Pavilion dv7t-7000 Quad Edition Entertainment Notebook PC A3G47AV](#)

Qty: [Update](#)

Price: \$929.99
Save \$150 instantly: **-\$150.00**

Price after savings: \$779.99

- Windows 7 Home Premium 64-bit
- 3rd generation Intel(R) Core(TM) i7-3610QM Processor (2.3 GHz, 6MB L3 Cache)
- NVIDIA(R) GeForce(R) GT 630M Graphics with 1GB GDDR3 memory [HDMI, VGA]
- 8GB DDR3 System Memory (2 Dimm)
- 750GB 5400 rpm Hard Drive
- NO mSSD Hard Drive Acceleration Cache
- No Additional Office Software
- No additional security software
- 6 Cell Lithium Ion Battery
- 17.3-inch diagonal High Definition BrightView LED-backlit Display (1600 x 900)
- Blu-ray player & SuperMulti DVD burner
- HP TrueVision HD Webcam
- 802.11b/g/n WLAN
- Standard Keyboard with numeric keypad
- Included 2 Year Warranty

Estimated ship date: June 25, 2013

N/A for Free Shipping

The HP Home & Home Office Store will accept [returns or exchanges](#) for this product up to 21 days after delivery

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1. Order summary

Order subtotal **\$779.99**

Shipping

- Standard 5-7 Business Days \$9.99
- Two Business Days \$39.00

Estimated tax

APPLY

--

Total

--

Coupon code [?](#)

APPLY

Select one:

- Credit card and/or gift card



Review Summary

1. COMPONENTS

2. ACCESSORIES

3. SERVICES & SUPPORT

4. REVIEW SUMMARY



Dell Precision T1650

Starting Price \$1,176.69
Instant Savings ~~\$411.84~~

Subtotal **\$764.85**

As low as \$19.00/mo.*

[Dell Business Credit | Apply](#)

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[Preliminary Ship Date: 6/12/2013](#)

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Dell Precision T1650

Starting Price \$1,176.69
Instant Savings ~~\$411.84~~

Subtotal **\$764.85**

As low as \$19.00/mo.*

[Dell Business Credit | Apply](#)

[Discount Details](#)

[Preliminary Ship Date: 6/12/2013](#)

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[Add To Cart](#)

Please Take a Moment to Review

Review Your Dell Precision T1650

Date & Time: 6/4/2013 4:31:03 PM

Dell Precision T1650
Dell Precision T1650, Standard Base, Windows 7 Professional, No Media, 64-bit, English

Unit Price: \$1,176.69
~~-\$411.84~~

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Unsaved carts expire after 30 minutes. [Save Cart](#)

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 PowerEdge T110 II PowerEdge T110 II Chassis with Cabled 4x3.5 Hard Drives, No Operating System Adjust System Estimated Ship date: 6/13/2013 Save 31% Off on select PowerEdge T110 II servers through Dell Small Business! Special Offer View Details	4 Update Total	\$645.00
		- \$824.00
Sub-total		\$1,756.00

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Additional Discounts and Coupons
Limited offer: Free Shipping & Easy Returns
Limited Time Offer! [View Details](#)

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Data Access

When choosing the main connectors for the network; there is a big difference between choosing the Ethernet cable over Token Ring. Furthermore FDDI is a new technology, which uses fiber optic cable with a wireless system, thus transmitting data over radio waves. The most widely employed networking standard for office is Ethernet. The reason why wireless Ethernet is ideal is due to its efficiency in home networks.

Additionally, Ethernet is the most common network technology because it can be used in any local network and it can be easily identified by RJ-45 connectors on each of their cables. The RJ-45 connectors are similar to an extra-wide telephone jacks. The Ethernet cable characteristics are that its cable is usually blue, yellow or red. The cable is a little slimmer than a drinking straw, and its length can be up to the maximum range of 328 feet. The Ethernet can carry up to 10 megabits per second (mbps), which is 10 million bits of information each second; meanwhile fast Ethernet can carry up to 1000mbps. The data is sent in a package, with in each packet it contains information to define where the data is to be sent and a checksum that make sure that none of the data in the packet has been garbled or lost during transmission. Another reason why Ethernet is better than Token Ring is because it supports the transmission control protocol and internet protocol used by the internet, which is known as TCP/IP.

The major difference between Ethernet and Token Ring is the transmission. In this case, Token Ring is LAN, just like the Ethernet. However, to transfer information is different. With token ring, the computers will not be able to receive any information until they receive the token. It can be passed around until the computer that is in need of the information receives it. This can be a major disturbance for someone on the receiving end trying to receive important information.

In conclusion, the Directioners Corporation has decided to choose Ethernet cable over Token Ring because it will facilitate passing information or transfer information between our workers. Ethernet will help the company keep the information safe and secure of hackers, by doing so our corporation will result in being a trustworthy source for our business and clients.

Web Sources:

1. <http://www.entrepreneur.com/marketing/networking/index.html>
2. <http://www.eventbrite.com/directory/California/Los+Angeles/meetings/>
3. http://www.careerkey.org/asp/career_development/networking.html
4. http://www.microsoft.com/business/en-us/resources/marketing/advertising-branding/Make-social-networking-work-7-tips.aspx?fbid=XJnpf-_bail
5. www.hp.com
6. <http://www.networkingworks.net/>