# Pacific View Charter School

**A California Public School and Nonprofit 501 (c) (3) Corporation**
**3670 Ocean Ranch Blvd., Oceanside, California 92056**
**Phone # (760) 757-0161**
**AGENDA**
**Board of Trustees' Meeting – Tuesday, January 21, 2014**
**5:00pm**

**1.0** **Call to Order/Roll Call**

**2.0** **Approval of Agenda** **Action**

**3.0** **Pledge of Allegiance**

**4.0** **Introductions**

**5.0** **Public Comment**

**6.0** **Executive Director's Report** **Information**

**7.0** **Treasurer's Report Ending December 31, 2013** **Information**

**8.0** **Consent Calendar**

These agenda items are considered routine and will be approved in one action without discussion. If a Board Trustee requests that an item be removed from the consent calendar or a citizen wishes to speak to an item, the item will be considered under Action Items.

**8.1** Minutes from Board Meeting of November 19, 2013 **Action**

**9.0** **Action/Discussion Items**

**9.1** New Copier Proposal **Action**

**10.0** **Curriculum**

**10.1** Geometry A & B Course Outlines New **Action**

Staff is recommending approval of the above course for implementation

**10.2** Demonstration of Mastery in Mathematics Policy #10 **Action**

**10.3** Algebra 2A&B, Aventa Algebra 1B, Aventa Algebra 2 A&B, Aventa Geometry A&B, Geometry A&B

Staff is recommending amendment of the above courses **Action**

**11.0** **Closed Session**

**11.1** Conference with Legal Counsel- Existing Litigation (Gov.Code 54956.9 (a)
Name of Case: SDSC 37-2012-00056965

**12.0** **Report Out To Public Action Taken In Closed Session**

**13.0 Board/Staff Discussion**

**14.0 Adjournment**

# 7.0

PACIFIC VIEW CHARTER SCHOOL

BOARD OF TRUSTEES' MEETING
January 21, 2014

# 2013/14 TREASURER'S REPORT
FOR PERIOD ENDING December 31, 2013

# PACIFIC VIEW CHARTER SCHOOL

## Treasurer's Report

## January 21 2014 Board Meeting

## 2013/14 - Charter Schools Enterprise Fund 62-00 & Capital Outlay Fund 62-01
## Statement of Activities for the Period Ending December 31, 2013

**Revenues**

| Object | Resource | Description | 2013/14 Adopted Budget | 2013/14 Revised Budget | # Year-to-Date 7/1-11/30/13 Transactions | Remaining Budget | % Budget Remaining |
|---|---|---|---|---|---|---|---|
| 8012 | 1400 | Education Protection Act | 0 | 349,878 | 257,347 | 92,531 | 26% |
| 8015 | 0000 | General Purpose Entitlement | 2,133,400 | 1,992,534 | 856,874 | 1,135,660 | 57% |
| 8096 | 0000 | Transfer to Charter School Revenue Limit | 957,383 | 957,383 | 518,025 | 439,358 | 46% |
| 8550 | 0000 | Mandated Cost Reimbursement | 0 | 17,485 | 17,484 | 0 | 0% |
| 8560 | 1100 | Lottery | 58,144 | 60,052 | 1,908 | 58,144 | 97% |
| 8560 | 6300 | Restricted Lottery | 14,067 | 16,574 | 2,506 | 14,068 | 85% |
| 8590 | 0000 | Categorical Block Grant/Other State Funding | 291,677 | 1,519 | 0 | 1,519 | 100% |
| 8590 | 7405 | Common Core Standards | | 89,200 | 89,629 | -429 | 0% |
| 8660 | 0000 | Interest | 1,810 | 1,810 | 776 | 1,034 | 57% |
| 8699 | 0000 | All Other Local Revenue | 8,000 | 8,000 | 183 | 7,817 | 98% |
| 8919 | 0000 | Other Authorized Interfund Transfers | 0 | 0 | 0 | 0 | 0% |
| | | **Grand Total All Revenues:** | **3,464,481** | **3,494,435** | **1,744,731** | **1,749,703** | **50%** |

**Expenditures**

| Object | Certificated Personnel Salaries | | | | | |
|---|---|---|---|---|---|---|
| 1100 | Teacher | 1,329,037 | 1,298,451 | 689,110 | 609,341 | 47% |
| 1300 | Supervisors and Administrators | 174,661 | 187,761 | 100,430 | 87,331 | 47% |
| 1900 | Other Certificated | 0 | 0 | 0 | 0 | 0% |
| | **Total Certificated Personnel Salaries:** | **1,503,698** | **1,486,212** | **789,540** | **696,672** | **47%** |

# PACIFIC VIEW CHARTER SCHOOL

**Treasurer's Report**

**January 21 2014 Board Meeting**

**2013/14 - Charter Schools Enterprise Fund 62-00 & Capital Outlay Fund 62-01**
**Statement of Activities for the Period Ending December 31, 2013**

| Object | Description | 2013/14 Adopted Budget | 2013/14 Revised Budget | Year-to-Date 7/1-11/30/13 Transactions | Remaining Budget | % Budget Remaining |
|---|---|---|---|---|---|---|
| | **Classified Personnel Salaries** | | | | | |
| 2100 | Instructional Aides | 29,656 | 31,880 | 4,467 | 27,413 | 86% |
| 2300 | Supervisors and Administrators | 121,908 | 131,051 | 70,097 | 60,954 | 47% |
| 2400 | Clerical, Technical and Office | 53,584 | 74,902 | 30,133 | 44,769 | 60% |
| 2900 | Other Classified Salaries | 58,537 | 62,927 | 33,658 | 29,269 | 47% |
| | **Total Classified Personnel Salaries:** | **263,685** | **300,760** | **138,356** | **162,404** | **54%** |
| | **Total Employee Benefits:** | **434,862** | **446,982** | **205,992** | **240,990** | **54%** |
| | **Books and Supplies** | | | | | |
| 4100 | Textbooks | 3,650 | 3,525 | 1,070 | 2,455 | 70% |
| 4200 | Books and Other Reference Materials | 0 | 0 | 0 | 0 | 0% |
| 4300 | Materials and Supplies | 69,901 | 169,990 | 73,305 | 96,685 | 57% |
| 4400 | Non Capitalized Equipment | 0 | 0 | 0 | 0 | 0% |
| | **Total Books and Supplies:** | **73,551** | **173,515** | **74,375** | **99,140** | **57%** |
| | **Services and Other Operating Expenditures** | | | | | |
| 5200 | Travel and Conferences | 24,256 | 34,256 | 14,378 | 19,878 | 58% |
| 5300 | Dues and Memberships | 7,443 | 7,443 | 5,208 | 2,235 | 30% |
| 5500 | Operations and Housekeeping Services | 24,000 | 24,000 | 11,727 | 12,273 | 51% |
| 5600 | Rentals, Leases, Repairs, and Non capitalized Improvements | 0 | 0 | 0 | 0 | 0% |
| 5800 | **Professional Consulting Services & Operating Expenses** | 1,118,218 | 977,435 | 254,132 | 723,303 | 74% |

# PACIFIC VIEW CHARTER SCHOOL

## Treasurer's Report

## January 21 2014 Board Meeting

## 2013/14 - Charter Schools Enterprise Fund 62-00 & Capital Outlay Fund 62-01
## Statement of Activities for the Period Ending December 31, 2013

| Object | | Description | 2013/14 Adopted Budget | 2013/14 Revised Budget | Year-to-Date 7/1-11/30/13 Transactions | Remaining Budget | % Budget Remaining |
|---|---|---|---|---|---|---|---|
| | | **Services & Other Operating Expenses (con't)** | | | | | |
| 5900 | | **Communications** | 4,500 | 4,875 | 3,046 | 1,829 | 38% |
| | | **Total Services & Other Operating Expenses:** | **1,178,417** | **1,048,009** | **288,491** | **759,518** | **72%** |
| 6XXX | | **Capital Outlay** | **0** | **0** | **0** | **0** | 0% |
| 7XXX | | **Other Outgo and Transfers Out** | | | | | |
| | | **Grand Total All Expenditures:** | **3,454,213** | **3,455,478** | **1,496,755** | **1,958,723** | **57%** |
| | | **Beginning Fund Balance** | **2,047,455** | **2,047,455** | | | |
| | | **Increase/Decrease** | **10,268** | **38,957** | | | |
| | | **Ending Fund Balance** | **2,057,723** | **2,086,412** | | | |
| **9711** | **000** | **Reserve for Revolving Cash** | **200** | **200** | | | |
| **9770** | **000** | **Designated for Economic Uncertainties** | **103,626** | **103,664** | | | |
| **9780** | **009** | **Deferred Maintenance Reserve** | **50,000** | **50,000** | | | |
| **9780** | **008** | **Erate/100 Laptops/Laptop Cart** | **14,416** | **14,848** | | | |
| **9780** | **007** | **Facilities Reserve** | **150,000** | **150,000** | | | |
| **9780** | **000** | **Land/Bldg/Deprec/Comp Absence/Growth** | **1,569,212** | **1,545,988** | | | |
| **9780** | **012** | **Long Term Debt Reserve (Building)** | **160,237** | **217,571** | | | |
| **9780** | **013** | **Long Term Debt Reserve (Automobile)** | **10,032** | **4,141** | | | |

# 8.1

# Pacific View Charter School

A California Public School and Nonprofit 501 (c) (3) Corporation
3670 Ocean Ranch Blvd., Oceanside, California 92056
Phone # (760) 757-0161
Board of Trustees' Meeting – Tuesday, November 19, 2013
Board Minutes

**1.0 Call to Order/Roll Call**- President Gleisberg called the meeting to order at 5:10pm with 1st Vice President Walters, Board Trustee Renfroe present.

**2.0 Approval of Agenda** – Moved by 1st Vice President Walters and seconded by President Gleisberg to approve agenda as presented.

AYES: Gleisberg, Renfroe, Walters
NOES: None
ABSTAIN: None

**3.0 Pledge of Allegiance**- President Gleisberg led the Pledge of Allegiance

**4.0 Introductions -** Lori Bentley, Business Services; Kathi Cohen, Lead High SchoolTeacher High School; Don Thiele, Curriculum Coordinator; Gayl Johnson, Achievement Coordinator; Sandy Benson, Business Consultant, Kathy Meck, Lead K-8 Teacher; and Daniel Lee, Director of Audit Services

**5.0 Public Comment** - None

**6.0 Executive Director's Report**

- Kira, Lori and I just returned from Eric Premack's 2013 CSDC Leadership Conference in San Francisco
- MiraCosta Amabassadors will be onsite on November 20 to help students with the registration process
- Gayl will be taking a group of students up to MiraCosta to tour the Autoshop facility
- ITT Tech will be onsite on November 21 to present their program to the students
- We had a booth at the Carlsbad Street Fair to promote our school
- There is a book fair at Barnes and Noble on December 9 that we will be participating in. Our parent volunteers will be gift wrapping for customers, Advisory Team will be reading to children. Stop by for a cup of cocoa or coffee and purchase the special cookie that we will receive a percentage of that Starbucks is selling
- On Thanksgiving Day Team PVCS will be participating in the Oceanside Turkey Trot

- On November 20th PVCS employees will have their Open Enrollment regarding benefits
- December 19 we are hosting a Winter Wonderland of Gingerbread from 1:00pm to 3:00pm. The PVCS Glee Club will be singing, there will be hot cocoa, hot apple cider, cookie decorating, face painting, games, and the Gingerbread competition
- Enrollment continues to be in the low 400's. There are 90 students in K-8 and 311 in High School

**7.0 <u>Consent Calendar</u>**

These agenda items are considered routine and will be approved in one action without discussion. If a Board Trustee requests that an item be removed from the consent calendar or a citizen wishes to speak to an item, the item will be considered under Action Items

**7.1** Minutes from Board Meeting of September 17, 2013
Moved by President Gleisberg and seconded by 1st Vice President Walters to approve the minutes as presented.

AYES: Gleisberg, Renfroe, Walters
NOES: None
ABSTAIN: None

**8.0 <u>Action/Discussion Items</u>**

**8.1** Our auditor Daniel Lee from Hosaka, Rotherham & Co. reported to the Board that PVCS complied in all material respects, with the types of compliance requirements referenced in the audit that could have a direct and material effect on each of its state programs for the fiscal year ending June 30, 2013. In summary the auditors' report was unqualified, no material weaknesses or deficiencies were reported in any area.

AYES: Gleisberg, Renfroe, Walters
NOES: None
ABSTAIN: None

**8.2** Moved by President Gleisberg and seconded by 1st Vice President Walters to approve the 1st Interim Report as presented

AYES: Gleisberg, Renfroe, Walters
NOES: None
ABSTAIN: None

**8.3** Moved by Trustee Renfroe and Seconded by 1st Vice President Walters to approve the Common Core Expenditures as presented at the second read.

AYES: Gleisberg, Renfroe, Walters
NOES: None
ABSTAIN: None

**8.4** Moved by President Walters and seconded by 1st Vice President Walters to approve the Education Protection Account Budget 2013.2014 as presented.

AYES: Gleisberg, Renfroe, Walters
NOES: None
ABSTAIN: None

**8.5** Moved by 1st Vice President Walters and seconded by Trustee Renfroe to approve the amendment to Employee Policy Necessity Leave as presented.

AYES: Gleisberg, Renfroe, Walters
NOES: None
ABSTAIN: None

**8.6** Moved by President Gleisberg and seconded by Trustee Renfroe to approve the Tobacco/Smoke Free School Policy as presented.

AYES: Gleisberg, Renfroe, Walters
NOES: None
ABSTAIN: None

**8.7** Moved by President Gleisberg and seconded by 1st Vice President Walters to suspend the December 17, 2013, and asked that the Board try and come to the Winter Wonderland of Gingerbread on December 19th.

AYES: Gleisberg, Renfroe, Walters
NOES: None
ABSTAIN: None

**9.0 <u>Personnel</u>**

**9.1** Moved by President Gleisberg and seconded by Trustee Renfroe to approve the Office Clerk Job Description as presented.

AYES: Gleisberg, Renfroe, Walters
NOES: None
ABSTAIN: None

**10.0 Closed Session**

The Board convened to Closed Session at 5:55 pm

**12.0 Report Out To Public Action Taken In Closed Session**

The Board reconvened to Open Session at 6:12

The Board President reported out that there was not reportable action taken in Closed Session

**13.0 Board/ Staff Discussion**

None

**12.0 Adjournment** President Gleisberg adjourned the meeting at 6:15 pm

# 9.1

# PACIFIC VIEW CHARTER SCHOOL

A California Public School

## COPIER PURCHASE – Staff Recommenation

Background

In 2008 Pacific View purchased a Lanier copier for our facility. This copier is now approaching the end of it's service life. It is time to purchase a replacement machine. Staff received and reviewed bids from four (4) vendors . Machines were fully vetted including performance demonstrations.

Documentation

Attached is the purchase rubric which included performance, pricing and service considerations together with, full product specifications on the machine staff is recommending for purchase.

Recommendation

Vendor - Konica Minolta

Product – Bizhub 654

| | | |
|---|---|---|
| Previous Machine Obligation (purchase completed) | $ 824.12 per month | Cost Reduction |
| **Proposed Total Monthly Obligation** | **$388.53 per month** | **47%** |

- This is a manufacturer direct bid.
- Product meets or exceeds all bid criteria
- Price reduction of 53.6% over other Bidders

KONICA MINOLTA

**Prepared**
**for**
**Pacific View Charter**

10/15/13

**Konica Minolta Bizhub 654**
65 Pages / Min Black & White
Scans in color
Network Ready
Fax
2/3 Hole Punch
Staple

**Lease, 60 month $1 out**

$199.03 / mo

**Service and Supplies:** No minimum billed quarterly in arrears. Black & white $ .00379 per copy.

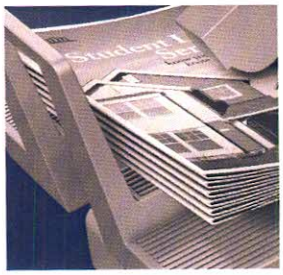
This is from WSCA pricing and terms. Piggy back contract. Already includes non- appropriations and no separate property tax.

Sincerely,

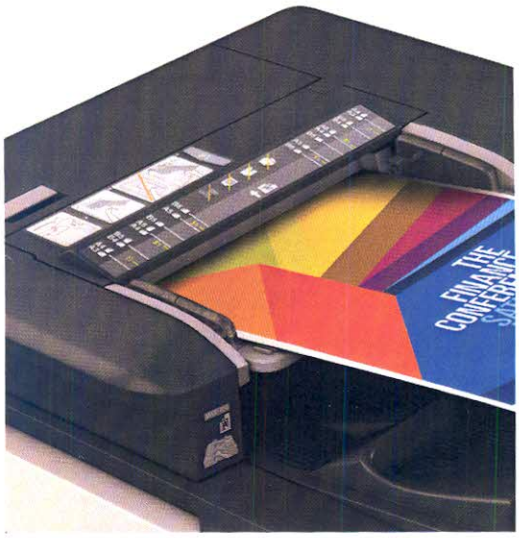
Larry Pennington

KONICA MINOLTA

Konica Minolta's bizhub 654 gives you fast, high-quality B&W print/copy output, color scanning to bring any original into your workflow, even standard dual scanning that handles both sides of the page in a single pass. Our INFO-Palette design features an award-winning 9" color screen with convenient multi-touch interface, like familiar tablets – plus downloadable apps* to increase your personal and professional productivity. The Emperon® print system is built in, with universal printer drivers, scanning to multiple destinations, and scalable options for enhanced security, auto finishing and faxing. You'll also have industry-leading environmental protection and a lower total cost of ownership to benefit your bottom line. For a document solution that keeps you ahead of the curve, count on the bizhub 654.



# COST EFFECTIVE B&W PRINTING, COLOR SCANNING, AWARD-WINNING DESIGN.



The bizhub 654 proudly joins the bizhub family – named 2013 A3 MFP Product Line of the Year by Buyers Laboratory Inc.

## bizhub 654

B&W PRINTER/COPIER/SCANNER/FAX

- FAST AFFORDABLE 65 PPM B&W OUTPUT SPEEDS YOUR WORK
- STANDARD DUAL SCANNING HANDLES UP TO 180 ORIGINALS PER MINUTE
- COLOR SCANNING LETS YOU SCAN AND DIGITIZE ANY ORIGINAL
- INFO-PALETTE DESIGN – INSTANT ACCESS TO FAR MORE INFORMATION
- LARGE 9" COLOR DISPLAY WITH FAMILIAR TABLET-LIKE INTERFACE
- MULTI-TOUCH FUNCTIONS: SWIPE, DRAG, DOUBLE-TAP, TOGGLE, PINCH*
- TRANSPARENT MENUS, CUSTOMIZABLE ICONS, IMPROVED SOFT KEYBOARDS
- DOWNLOADABLE APPS* TO ENHANCE YOUR PRODUCTIVITY
- SIMITRI® HD TONER WITH BIOMASS TO PROTECT THE ENVIRONMENT
- SCAN-TO-EMAIL, SCAN-TO-FTP, SCAN-TO-ME, SCAN-TO-HOME CONVENIENCE
- 6,650-SHEET CAPACITY, TAB PRINTING SUPPORT, CARBON-COPY PRINTING
- STANDARD 250 GB HDD FOR ON-BOARD DOCUMENT STORAGE
- FINISHING OPTIONS FOR 80-PAGE BOOKLET-MAKING, 100-SHEET STAPLING
- 2/3-HOLE PUNCH, TRI-FOLD, Z-FOLD, POST-INSERTION AND MORE
- INTERNAL CARD READER OPTION, ENHANCED SECURITY OPTIONS
- PAGESCOPE UTILITIES, OPTIONAL VOICE GUIDANCE, PDF/A FILE FORMATS, BAR CODE SUPPORT, OCR FONT SUPPORT
- LOW POWER CONSUMPTION, ECO-INDICATOR TO HELP CUT COSTS

*Not available at time of launch.

COUNT ON KONICA MINOLTA

# bizhub 654

MONOCHROME PRINTER/COPIER/SCANNER/FAX

| SPECIFICATIONS | |
|---|---|
| Type | Printer/Copier/Scanner with Stationary Platen |
| Toner System | Simitri® HD Toner with Biomass |
| Maximum Monthly Duty Cycle (pages)* | 300,000 pages |
| Print / Copy Speed (Letter, portrait) | 65 ppm |
| Dual Scanner Document Feeder | Duplex Speed: 180 opm, Simplex Speed: 90 opm, Paper Capacity: 150 Sheets, Paper Size: 5.5" x 8.5" to 11" x 17", Paper Weight: Single-Sided/Double-Sided: 9.25 lb. bond to 55.75 lb. bond, Mixed Original: 13.5 lb. bond to 34 lb. bond |
| Power Requirements / Consumption | 120V, 60Hz / Less than 2,100W |
| Dimensions / Weight | 25.5" (W) x 31.5" (D) x 45.5" (H) (with control panel) / 487.25 lb. |
| **COPY** | |
| Warm-up Time / First Copy Time | Less than 22 seconds / 3.7 seconds or less |
| Copy Resolution / Quantity | 600 x 600 dpi / 1-9,999 |
| Magnification | Zoom range: 25% - 400%, 0.1% increments, Preset reduction: 78.5%, 73.3%, 64.7%, 50.0%, Preset enlargement: 121.4%, 129.4%, 154.5%, 200% |
| Copy Exposure Modes | Text (legible text), Text/Photo (clear text and halftones), Photo (optimized for gradations), Map (fine edges and legible text), Dot Matrix (dot matrix or pencil originals), Copied Paper |
| **PRINT: Emperon Print System with bizhub Extended Solution Technology / Open API** | |
| Processor / Memory / Hard Disk Drive | 1.2 GHz (MPC8536) / 2 GB (shared copier memory) / 250 GB (shared copier HDD) |
| Print Resolution / Grayscale Gradations | 600 x 600 dpi (1800 equivalent x 600 dpi) or 1200 x 1200 dpi / 256 shades per pixel |
| Page Description Language / Fonts | PCL5e/c, PCL6 (XL v.3.0) Emulation, PS3 (v.3016) Emulation, XPS (XML Paper Specification); PCL: 80 Roman fonts, PostScript 3 Emulation: 137 Roman fonts |
| Operating System Compatability | **PCL6/PS3:** Windows XP Home (SP1 or later), Windows XP Professional (SP1 or later)**, Windows Vista**, Windows 7***, Windows Server 2003 Standard/Enterprise**, Windows Server 2003 Standard/Enterprise R2**, Windows Server 2008 Standard/Enterprise**, Window Server 2008 Standard/Enterprise R2; **XPS:** Windows Vista**, Windows 7***, Window Server 2008 Standard/Enterprise**, Window Server 2008 Standard/Enterprise R2; **Mac (PS-PPD):** OS 9.2, OS X 10.2.8 to 10.8; **Mac (Intel):** OS X 10.4 to 10.8 |
| Interface | 10 Base-T/100 Base-TX/1000 Base-T, USB 1.1, USB 2.0, USB Host |
| Network Protocols | TCP/IP (IPv4/IPv6), BOOTP, ARP, ICMP, DHCP, DHCP v6, AutoIP, SLP, SNMP, FTP, LPR/LPD, RAW Socket, SMB, IPP, HTTP, POP, SMTP, LDAP, NTP, SSL, IPX, AppleTalk, Bonjour, NetBEUI, WebDAV, DPWS, S/MIME, IPSec, DNS, DynamicDNS, LLMNR, LLTD, SSDP, SOAP |
| **COPY / PRINT FUNCTIONS** | |
| Features | Account Track (1,000 accounts), Administration Mode, Auto Duplex, Auto Tray Switching, Bi-Directional Communication, Card Shot, Copy Guard, Copy Modes (Simplex/Duplex, 2-in-1, 4-in-1, 8-in-1, Book, Booklet, Booklet + Bind), Cover Mode, Creative Functions (Mirror Image, XY Zoom, Image Center, Neg./Pos. Reverse, Image Repeat), Encrypted Network Password Printing, Energy Save Mode, Enlarge Display, Erase (Border, Frame, Edge) Mode, Finishing (Group, Sort, Staple, Punch, Half-Fold, Tri-Fold, Center Staple and Fold, Z-Fold†, Post Insertion†), Form Overlay, HDD Encryption, HDD Job Overwrite, HDD Sanitizing, Image Adjustments (Screen Settings), Image Preview (Job Finishing Image Display, Engine Configuration Display), Interrupt, Job List, Job Reserve, Job Skip, LDAP, Mixplex, Mix-Media, MyTab, Non-Image Area Erase, OHP Interleaving, Password Copy, Program/Recall Jobs, Paper Type Selection (Normal, Thick 1/1+, Thick 2, Thick 3, Thick 4), Print Modes (Simplex/Duplex, 2-in-1, 4-in-1, 6-in-1, 9-in-1, 16-in-1, Booklet, Booklet + Bind), Print from USB, Proof Copy, Secure Printing, Separate Scan, Text Enhancement, User Authentication (Up to 20 Authentication Servers) (Synchronize w/Account Track), User Box Function, Utility (Meter Count, Environment Settings, Default Settings, One-Touch Settings, Check Consumable Life), Watermark, Zoom Selection |
| **SCAN** | |
| Scan Speed / Resolution | Duplex Scan: 180 opm @ 400 dpi; Simplex Scan: 90 opm @ 400 dpi / 200 dpi, 300 dpi, 400 dpi, 600 dpi |
| Scan File Formats / Color Modes | TIFF, PDF, Compact PDF, JPEG, XPS, Compact XPS, PPTX / Auto Color, Full Color, Grayscale, Black & White |
| Scan Functions | Scan-to-Email, Scan-to-FTP, Scan-to-HDD (Scan-to-User Box), Scan-to-Me/Scan-to-Home, Scan-to-SMB (Scan-to-Desktop), Scan-to-USB, Scan-to-WebDAV, Distributed Scan Management, Network TWAIN, WS-Scan, Color Internet Fax |
| **• FK-511 FAX KIT (OPTIONAL)** | |
| Compatability / Compression | Super G3 compatibility, 33.6 Kbps modem speed / MH, MR, MMR, JBIG data compression |
| Fax Transmission Speed / Fax Memory | Less than 3 seconds per page (JBIG, standard resolution) / 2 GB (shared print, copy, scan, fax memory) |
| Fax Line Mode / Fax Exposure Mode | PSTN, PBX, G3 / Text, Text/Photo, Photo, Dot Matrix |
| Fax Functions | Autodialing (2,000 addresses), Auto Memory Reception, Auto Reduction Printing, Broadcasting (maximum 600 locations), Bulletin Board, Duplex Transmission/Reception, F-Code Support, Group Dialing (up to 500 addresses per group / up to 100 groups), Mailbox Transmission/Reception, Memory/Quick Dial, Overseas Transmission, Password Transmission/Reception, PC-Fax, Polling Transmission/Reception, Print Setting or Overnight Reception, Program Dialing (400 programs), Redial, Relay Transmission, Timer Transmission, TSI Routing |
| Fax Options | Spare TX-Marker Stamp 2, SP-501 Fax Stamp Unit |
| **PAPER HANDLING** | |
| Original Size | Up to 11" x 17" (scanning/copying), Up to 11" x 17" full bleed on 12" x 18" paper (printing) |
| Paper Trays | **Tray 1& 2:** 500-sheet (universal cassette)/5.5" x 8.5" to 12" x 18"/14 lb. bond to 140 lb. index; **Tray 3:** 1,500-sheet (fixed cassette)/8.5" x 11", 5.5" x 8.5", 4" x 6"/14 lb. bond to 140 lb. index<br>**Tray 4:** 1,000-sheet (fixed cassette)/8.5" x 11", 5.5" x 8.5", 4" x 6"/14 lb. bond to 140 lb. index<br>**Bypass Tray:** 150-sheet bypass/4" x 6" to 12" x 18", 8" x 13"/Banner Paper/ 14 lb. bond to 100 lb. cover up to 300 gsm |
| • LU-204 Large Capacity Unit | 2,500-sheets/8.5" x 11", 8.5" x 14", 11" x 17", 12" x 18"/16 lb. bond to 140 lb. index |
| • LU-301 Large Capacity Unit | 3,000-sheets/8.5" x 11"/16 lb. bond to 140 lb. index |
| Maximum Paper Capacity | 6,650 sheets (total, with options) |
| **APPLICATIONS** | |
| Network & Device Management | PageScope Data Administrator, Driver Packaging Utility, HDD Back-Up Utility, Log Management Utility |
| User Tools | PageScope Web Connection, PageScope Direct Print, PageScope Box Operator, PageScope Print Status Notifier, Copy Protect Utility, Print Utility for Unix |
| Management Tools | bizhub vCare support |
| • PageScope Enterprise Suite | PageScope Account Manager, PageScope Authentication Manager, PageScope MyPrint Manager, PageScope MyPanel Manager, PageScope Net Care Device Manager (standard) |
| **• ADDITIONAL OPTIONS** | |
| • Authentication / Security Options | AU-102 Biometric Authentication Unit, AU-201H HID Proximity Card Authentication Unit, AU-202H HID iClass Card Authentication Unit, AU-204H Magnetic Stripe Card Reader, AU-211P CAC/PIV Solution†, SC-508 Copy Guard Kit, WT-506 Working Table to support Authentication Devices, MK-735 Internal Mount Kit |
| • External Keyboard | KH-102 Keyboard Mount Kit, KP-101 10-Key Pad, EK-604 USB Interface for External Keyboard and Voice Guidance, EK-605 USB Interface for External Keyboard, Bluetooth Support and Voice Guidance |
| • i-Option | LK-101 v3 i-Option, LK-102 v3 i-Option, LK-104 v3 i-Option, LK-105 v3 i-Option, LK-106 i-Option, LK-107 i-Option, LK-108 i-Option, UK-204 i-Option Memory Upgrade Kit |
| • Finishing | FS-535 100-Sheet Staple Finisher, FS-534 50-Sheet Staple Finisher, JS-602 Job Separator Tray (FS-535), OT-503 Output Tray (Exit Tray), PI-505 Post Inserter†† (FS-535), PK-520 Punch Kit (FS-534), PK-521 Punch Kit (FS-535), SD-511 Saddle Stitcher Kit (FS-534), SD-512 Saddle Stitcher Kit (FS-535), ZU-606 Z-Fold Unit†† (FS-535) |

• OPTIONAL ◌ STANDARD

*Maximum Monthly Duty Cycle may vary by country.
**Both 32-bit and 64-bit versions supported.
***Windows 7 Home Basic Edition supports 32-bit only.
†Not available at time of launch.
††ZU-606 and PI-505 only available for FS-535.

KONICA MINOLTA

KONICA MINOLTA BUSINESS SOLUTIONS U.S.A., INC.
100 Williams Drive
Ramsey, NJ 07446

www.CountOnKonicaMinolta.com
www.kmbs.konicaminolta.us

**Konica Minolta Optimized Print Services offers a full suite of device output services and workflow solutions that increase efficiency and control costs. Please contact your authorized Konica Minolta sales representative for details.**

© 2013 KONICA MINOLTA BUSINESS SOLUTIONS U.S.A., INC. All rights reserved. Reproduction in whole or in part without written permission is prohibited. Konica Minolta and Count On Konica Minolta are registered trademarks of KONICA MINOLTA HOLDINGS, INC. bizhub and PageScope are trademarks of KONICA MINOLTA BUSINESS TECHNOLOGIES, INC. All other brands and product names are registered trademarks or trademarks of their respective owners.

Item #: 654SS
2/13

# Pacific View Charter School
# Copy Machine Replacement Purchase

## Purchase Justification:

Our current copier was purchased in October, 2008 on a 5 year $1.00 buy-back lease. We have completed the lease and now own the machine. As of December 12, 2013 this copier has produced 2,569,633 copies, it is rapidly approaching its' useful life expectancy and requires replacement at this time. PVCS solicited bids from four (4) local copier suppliers.

## Proposal Terms: COPIER, PRINTER, FAX, SCANNER

| Supplier | Copier | Monthly Lease Payment | Monthly Service & Supplies Pricing | TOTAL MONTHLY PAYMENT | Comments | Rank |
|---|---|---|---|---|---|---|
| Copy care | Lanier MP6002 | $354.00 | $0.0075* | **$729.00 -1st year**<br>**$829.00 –5th year** | Existing Supplier, 60 ppm (pages per minute), 11x17 paper capacity, hole punch. *Copycare has an annual increase in service charges topping out at $0.0095 for equipment. | 3 |
| Comlink Lasercare | Toshiba eSTUDO 656 | $405.50 | $0.008 per copy* quarterly billing no minimum | **$805.50 - 1st year**<br>**$915.50 - 5th year** | Current Supplier for our HP printers. 65 ppm, 11x17 paper capacity, hole punch. New product for supplier, none currently placed in service.*Comlink has an annual increase in service charges topping out at $0.0102 for Toshiba Equipment | |
| Comlink Lasercare | Toshiba e-STUDIOS 506 | $297.78 | $0.008 per copy* quarterly billing no minimum | **$697.78 – 1st year**<br>**$807.78 – 5th year** | Current Supplier for our HP printers. 50 ppm, 11x17 paper capacity, hole punch. New product for supplier, none currently placed in service.*Comlink has an annual increase in service charges topping out at $0.0102 for Toshiba Equipment | |
| Comlink Lasercare | HP LJ M9050f MFP | $139.80 – 1 machine<br>$256.80 – 2 machine | $0.008 per copy* quarterly billing no minimum | **$539.80 – 1st year**<br>**$609.80 – 5th year**<br>**2 machines**<br>**$656.80 -1st year**<br>**$726.80 – 5th year** | Current Supplier for our HP printers. 50 ppm, 11x17 paper capacity, free standing hole punch. Based on reduce speed – vendor quoted purchase of two machines. This product could be "mix and matched" with other HP printer. *Comlink has an annual increase in service charges topping out at $0.0094 for HP equipment. | 2 |
| Comlink Lasercare | HP CM4555fskm | $107.20 – 1 machine<br>$191.65 – 2 machine | $0.008 per copy* quarterly billing no minimum | **$507.20-1st year**<br>**$577.20-5th year**<br>**2 machines**<br>**$591.65- 1st year**<br>**$661.65-5th year** | Current Supplier for our HP printers. 55ppm. 8x14 paper capacity, free standing hole punch. This product could be "mix and matched "with other HP printer. *Comlink has an annual increase in service charges topping out at $0.0094 for HP equipment. | 2 |
| Konica Minolta Business Solutions | Konica Minolta BizHub654 | $199.03 | $0.00379 per copy quarterly billing – no minimum | **$388.53** | 65ppm, 11x17 paper capacity, hole punch. This supplier is allowing us to piggyback onto the WSCA (Western States Contracting Alliance) contract. Supplies OUSD. 47% lease price reduction over current supplier. | 1 |
| Logicopy | Ricoh Aficio MP6002 | $374.56 | $0.00700 per copy-quarterly minimum of 150,000 copies | **$724.56** | 60ppm, 11x17 paper capacity, hole punch | 3 |
| Logicopy | Ricoh Aficio MP7001 | $226.38 | $0.00700 per copy-quarterly minimum of 150,000 copies | **$576.38** | USED EQUIPMENT – warranted as new, 70ppm, 11x17 paper capacity, hole punch | |

- All Leases are 60 month (5year) with $1.00 buy-out.
- Total Monthly Payment – based on 50,000 copies for comparison

# 10.1

# Pacific View Charter School
# Course Outline

**Course Title:** Geometry A **Course #:** 1150
**Department:** Mathematics **Credits:** 5
**Pre-requisite:** Algebra 1 with a C or better/ Demonstration of Mastery

**Course Description:** The Geometry A course is a comprehensive look at the study of geometric concepts including constructions, transformations: translations, reflections, rotations and dilations, congruence and similarity, geometric properties and polygons: triangles and quadrilaterals. Students will further develop their ability to construct formal, logical arguments and proofs in geometric settings and problems. Students will experiment with transformations on the Cartesian coordinate system to further their understanding of congruency and similarity in terms of rigid motions. Students will express their knowledge of the concepts by completing modeling tasks while using appropriate tools and attending to precision. They will explain their reasoning behind the procedures and result by accurately using mathematical language and notation. They will make sense of problems and persevere in solving them.

## Student Outcome:

The student will be able to:

1. Make formal geometric constructions with a variety of tools and methods: copying a segment, copying an angle; bisecting a segment; bisecting an angle; constructing perpendicular lines, including the perpendicular bisector of a line segment; and constructing a line parallel to a given line through a point not on the line.
2. Construct an equilateral triangle, a square and a regular hexagon inscribed in a circle.
3. Construct the inscribed and circumscribed circles of a triangle.
4. Prove properties of angles for a quadrilateral inscribed in a circle.
5. Know precise definitions of angle, circle, perpendicular line, parallel line, and line segment.
6. Use geometric descriptions of rigid motions with precision to transform figures.
7. Predict the effect of a given rigid motion on a given figure.
8. Represent transformations in the plane using transparencies and dynamic geometry software.
9. Describe transformations as functions with precision.
10. Compare transformations that preserve distance and angle to those that do not.
11. Develop definitions of rotations, reflections, and translations in terms of angles, circles, perpendicular lines, parallel lines, and line segments.
12. Given a geometric figure and a rotation, reflection, or translation, draw the transformed figure.

13. Accurately specify a sequence of transformations that will carry a given figure onto another.
14. Use the definition of congruence in terms of rigid motions to show congruency.
15. Explain how the criteria for triangle congruence (ASA, SAS, and SSS) follow from the definition of congruence in terms of rigid motions.
16. Prove theorems about lines and angles: vertical angles are congruent when a transversal crosses parallel lines, alternate interior angles are congruent and corresponding angles are congruent; points on a perpendicular bisector of a line segment are exactly those equidistant from the segment's endpoints.
17. Prove theorems about triangles: measures of interior angles of a triangle sum to 180 degrees, base angles of isosceles triangles are congruent; the segment joining midpoints of two sides of a triangle is parallel to the third side and half the length; the medians of a triangle meet at a point.
18. Establish the AA criterion for two triangles to be similar using the properties of similarity transformations.
19. Prove the Pythagorean Theorem using triangle similarity.
20. Prove theorems about parallelograms: opposite sides are congruent, opposite angles are congruent, the diagonals of a parallelogram bisect each other, and conversely, rectangles are parallelograms with congruent diagonals.
21. Solve and prove relationships between geometric figures using congruence and similarity criteria for triangles.
22. Apply prior knowledge of dilations and proportions to build a firm understanding of similarity.
23. Verify experimentally the properties of dilations given by a center and a scale factor.
24. Given two figures, use the definition of similarity in terms of similarity transformations to decide if they are similar; explain using similarity transformations the meaning of similarity for triangles as the equality of all corresponding pairs of angles and the proportionality of all corresponding pairs of sides.
25. Apply geometric methods to solve real-world problems.

## Assessment:

Assessments of student outcomes will be based on classroom activities, unit projects, homework and a course final.

## Instructional Materials:

- Aventa Online Curriculum Geometry A
- Bass, Laurie E., Charles, Randall I., Johnson, A., Kennedy, D. Geometry. 1st edition. Pearson Education Inc., 2004
- Supplemental teacher created materials

## Board Approval:

# Pacific View Charter School
# Course Outline

**Course Title:** Geometry B **Course #:** 1151
**Department:** Mathematics **Credits:** 5
**Pre-requisite:** Geometry A with a C or better/ Demonstration of Mastery

**Course Description:** The Geometry B course is a comprehensive look at the study of geometric concepts including coordinate geometry, circles, trigonometry and surface area and volume of cylinders, prisms, pyramids and spheres. Students will be able to express geometric properties with equations. They will apply their understanding of similarity to explore trigonometry concepts. Students will further develop their ability to construct and defend formal, logical arguments and proofs in geometric settings and problems. Students will use probability to make informed decisions. Students will express their knowledge of the concepts by completing modeling tasks while using appropriate tools and attending to precision. They will explain their reasoning behind the procedures and result by accurately using mathematical language and notation. They will make sense of problems and persevere in solving them.

## Student Outcome:

The student will be able to:

1. Use coordinates to prove simple geometric theorems algebraically.
2. Prove the slope criteria for parallel and perpendicular lines and use them to solve geometric problems
3. Find the point on a directed line segment between two given points and partitions the segment in a given ratio.
4. Use coordinates to compute perimeters of polygons and areas of triangles and rectangles.
5. Prove that all circles are similar.
6. Identify and describe with accuracy relationships among inscribed angles, radii, and chords. Include relationships between central, inscribed, and circumscribed angles; inscribed angles on a diameter are right angles; the radius of a circle is perpendicular to the tangent where the radius of a circle is perpendicular to the tangent where the radius intersects the circle.
7. Derive using similarity the fact that the length of the arc intercepted by an angle is proportional to the radius.
8. Define the radian measure of the angle.
9. Convert between degrees and radians with accuracy.
10. Derive the formula for the area of a sector.
11. Derive the equation of a circle of given center and radius using the Pythagorean Theorem
12. Complete the square to find the center and radius of a circle given by an equation.
13. Derive the equation of a parabola given a focus and directrix.

14. Construct informal arguments for the formulas for the circumference of a circle, area of a circle, volume of a cylinder, pyramid, and cone.
15. Use dissection arguments, Cavalieri's principle, and informal limit arguments.
16. Use volume formulas for cylinders, pyramids, cones and spheres to solve problems.
17. Identify the shapes of two-dimensional cross-sections of three-dimensional objects.
18. Identify three-dimensional objects generated by rotations of two-dimensional objects.
19. Understand that by similarity, side ratios in right triangles are properties of the angles in the triangle.
20. Use trigonometric ratios and the Pythagorean Theorem to solve right triangles in applied problems.
21. Derive and use the trigonometric ratios for special right triangles.
22. Derive the Laws of Sines and Cosines.
23. Explain and use the relationship between the sine and cosine of complementary angles.
24. Distinguish whether three given measures define the number of triangles.
25. Use geometric shapes, their measures, and their properties to describe objects.
26. Apply concepts of density based on area and volume in modeling situations.
27. Apply geometric methods to solve design problems.
28. Use language of set theory accurately.
29. Compute and interpret theoretical and experimental probabilities for compound events: mutually exclusive events, independent events, and conditional probability.
30. Use probability to make informed decisions.

## Assessment:

Assessments of student outcomes will be based on classroom activities, unit projects, homework and a course final.

## Instructional Materials:

- Aventa Online Curriculum Geometry A

- Bass, Laurie E., Charles, Randall I., Johnson, A., Kennedy, D. Geometry. 1st edition. Pearson Education Inc., 2004

- Supplemental teacher created materials

## Board Approval:

# 10.2

# Pacific View Charter School

**Curriculum and Instruction** **Policy #10**

## Demonstration of Mastery in Mathematics

Demonstration of Mastery in a Mathematics course shall be demonstrated by scoring 70% or better on a cumulative final exam, and placement on the Math Placement Guide indicating student is ready for that class.

Board Approved: Amended:

# 10.3

Pacific View Charter School

# Course Outline

**Course Title:** Algebra 2A **Course #:** 7241/1012
**Department:** Mathematics **Credits:** 5
**Prerequisite:** Geometry with a C or better/Demonstration of Mastery

**Course Description:** This course is designed to prepare students for further pursuit of college-prep mathematics. It is also designed to develop the student's ability to apply deductive reasoning in problem solving situations.

## Student Outcome:

The student will be able to:

1) Solve equations and inequalities involving absolute value.
2) Solve systems of linear equations and inequalities.
3) Factor polynomials representing the difference of squares, perfect square trinomials, and the sum and difference of two cubes.
4) Demonstrate knowledge of how real and complex numbers are related both arithmetically and graphically.
5) Add, subtract, multiply, and divide complex numbers.
6) Solve and graph quadratic equations by factoring, completing the square, or using the quadratic formula.
7) Demonstrate and explain the effect that changing a coefficient has on the graph of quadratic functions.
8) Graph quadratic functions and determine the maxima, minima, and zeros of the function.
9) Prove simple laws of logarithms.
10) Understand the inverse relationship between exponents and logarithms.
11) Know the laws of fractional exponents, understand exponential functions, and use these functions in problems involving exponential growth and decay.
12) Solve equations and inequalities involving absolute value.

**Assessment:** Assessment of student outcomes will be based on student performance through examinations, assignments, and qualitative evaluations.

**Instructional Materials:** Algebra 2 Prentice Hall, 2004

**Board Approval:** 3/18/08 **Amended:** 6/24/13

Pacific View Charter School

# Course Outline

**Course Title:** Algebra 2B **Course #:** 7537/1013
**Department:** Mathematics **Credits:** 5
**Prerequisite:** Algebra 2A with a C or better/Demonstration of Mastery

**Course Description:** This course is designed to prepare students for further pursuit of college-prep mathematics. It is also designed to develop the student's ability to apply deductive reasoning in problem solving situations.

## Student Outcome:

The student will be able to:

1) Know the laws of fractional exponents, understand exponential functions, and use these functions in problems involving exponential growth and decay.
2) Use the definition of logarithms to translate between logarithms in any base.
3) Understand and use the properties of logarithms to simplify logarithmic numeric expressions and to identify their approximate values.
4) Demonstrate and explain how the geometry of the graph of a conic section depends on the coefficients of the quadratic equation representing it.
5) Use fundamental counting principles to compute combinations and permutations.
6) Use combinations and permutations to compute probabilities.
7) Know the binomial theorem and use it to expand binomial expressions that are raised to positive integer powers.
8) Apply the method of mathematical induction to prove general statements about the positive integers.
9) Find the general term and the sums of arithmetic series and of both finite and infinite geometric series.
10) Derive the summation formulas for arithmetic series and for both finite and infinite geometric series.
11) Solve problems involving functional concepts, such as composition, defining the inverse function and performing arithmetic operations on functions.
12) Use properties from number systems to justify steps in combining and simplifying functions.

**Assessment:** Assessment of student outcomes will be based on student performance through examinations, assignments, and qualitative evaluations.

**Instructional Materials:** Algebra 2 Prentice Hall, 2004

**Board Approval:** 3/18/08 **Amended:** 6/24/13

# Pacific View Charter School
# Course Outline

**Course Title:** Aventa Algebra 1B **Course #:** 4039
**Department:** Mathematics **Credits:** 5
**Pre-requisite:** Algebra 1A with a C or better/ Demonstration of Mastery

**Course Description:** The purpose of this course is to allow the student to gain mastery in working with and evaluating mathematical expressions, equations, graphs, and other topics, with an emphasis on real-world applications throughout this year-long algebra course. The second semester of the course provides students with extensive instruction in topics including systems of equations and inequalities, exponential and radical functions, rational expressions and equations, as well as probability and statistics.
Throughout the course are self-check quizzes, audio tutorials, interactive manipulatives, practice games, and plenty of review activities.

## Student Outcome:
The student will be able to:
1) Graph systems of linear inequalities and interpret the solution set
2) Simplify expressions with exponents, including scientific notation
3) Graph and analyze exponential and radical functions
4) Solve exponential and radical equations
5) Simplify rational expressions
6) Write and solve rational equations
7) Calculate theoretical probability
8) Use statistical methods for analyzing and organizing data
9) Solve problems involving ratios, rates, and unit conversion

## Assessment:
Assessment of student outcomes will be based on student performance through examinations, assignments, and qualitative evaluations. Assessments will help students to analyze, interpret, explain, synthesize, evaluate, and communicate.

**Instructional Materials:** Aventa Learning Online Curriculum www.aventalearning.com

**Board Approval:** 5/17/11 **Amended:** 10-15-13

# Pacific View Charter School
# Course Outline

**Course Title:** Aventa Algebra 2A **Course #:** 4042
**Department:** Mathematics **Credits:** 5
**Pre-requisite:** ~~Algebra 1~~ Geometry with a C or better/Demonstration of Mastery

**Course Description:** In this course students will use their prior knowledge from previous courses to learn and apply Algebra II skills. This course will include topics such as functions, radical functions, rational functions, exponential and logarithmic functions, and trigonometry. Students will apply the skills that they learn in this course to real world situations.

## Student Outcome:

The student will be able to:

1) Understand the major topics in Algebra 2
2) Identify how the major topics in Algebra 2 relate to real world situations
3) Apply the topics in Algebra 2 to various problems
4) Explain how the topics in Algebra 2 relate to the greater context of mathematics
5) Graph and solve linear and quadratic functions
6) Graph and solve radical functions
7) Graph and solve rational functions including direct and inverse variation
8) Graph and solve exponential and logarithmic functions
9) Understand and graph trigonometric functions

## Assessment:

Assessment of student outcomes will be based on student performance through examinations, assignments, and qualitative evaluations. Assessments will help students to analyze, interpret, explain, synthesize, evaluate, and communicate.

**Instructional Materials:** Aventa Learning Online Curriculum www.aventalearning.com

**Material List:** Java is needed for the embedded graphing calculator applet (GCalc). A free download is available at http://www.java.com/en/download/

**Board Approval:** 5/17/11 **Amended:**

# Pacific View Charter School
# Course Outline

**Course Title:** Aventa Algebra 2B **Course #:** 4043
**Department:** Mathematics **Credits:** 5
**Pre-requisite:** Algebra 2A with C or better/ Demonstration of Mastery

**Course Description:** In this course students will use their prior knowledge from previous courses to learn and apply Algebra II skills. This course will include topics such as geometry, conic sections, systems of equations, probability, and statistics. Students will apply the skills that they learn in this course to real world situations.

## Student Outcome:

The student will be able to:

1) Understand the major topics in Algebra 2
2) Identify how the major topics in Algebra 2 relate to real world situations
3) Apply the topics in Algebra 2 to various problems
4) Explain how the topics in Algebra 2 relate to the greater context of mathematics
5) Understand and use Matrices and determinants
6) Solve systems of inequalities and systems of equations with two and three variables
7) Understand geometry of quadrilaterals, triangles and circles
8) Understand and solve problems involving conic sections, parabolas, circles, ellipses, and hyperbolas
9) Understand and apply the concepts of probability, permutations, combinations, the Binomial Theorem, statistics, and the Normal Curve
10) Understand and solve arithmetic sequences and series, and geometric sequences and series

## Assessment:

Assessment of student outcomes will be based on student performance through examinations, assignments, and qualitative evaluations. Assessments will help students to analyze, interpret, explain, synthesize, evaluate, and communicate.

**Instructional Materials:** Aventa Learning Online Curriculum www.aventalearning.com

**Material List:** Java is needed for the embedded graphing calculator applet (GCalc). A free download is available at http://www.java.com/en/download/

**Board Approval:** 5/17/11 **Amended:**

# Pacific View Charter School
# Course Outline

**Course Title:** Aventa Geometry A **Course #:** 4040
**Department:** Mathematics **Credits:** 5
**Pre-requisite:** Algebra 1 with C or better/ Demonstration of Mastery

**Course Description:** The Geometry course is a comprehensive look at the study of geometric concepts including the basic elements of geometry, proofs, parallel and perpendicular lines, the coordinate plane, triangles, quadrilaterals, polygons, circles, trigonometry, congruence and similarity, surface area, volume and transformations.

## Student Outcome:
The student will be able to:
1) Identify and apply the properties of rays and angles
2) Identify and apply the properties of parallel and perpendicular lines
3) Write conditional statements
4) Write proofs
5) Write and graph linear functions
6) Identify and apply the properties of triangles
7) Identify and apply the properties of quadrilaterals
8) Identify and apply the properties of polygons

## Assessment:
Assessment of student outcomes will be based on student performance through examinations, assignments, and qualitative evaluations. Assessments will help students to analyze, interpret, explain, synthesize, evaluate, and communicate.

**Instructional Materials:** Aventa Learning Online Curriculum www.aventalearning.com

**Board Approval:** 5/17/11 **Amended:**

# Pacific View Charter School
# Course Outline

**Course Title:** Aventa Geometry B **Course #:** 4041
**Department:** Mathematics **Credits:** 5
**Pre-requisite:** Geometry A with C or better/ Demonstration of Mastery

**Course Description:** The Geometry course is a comprehensive look at the study of geometric concepts including the basic elements of geometry, proofs, parallel and perpendicular lines, the coordinate plane, triangles, quadrilaterals, polygons, circles, trigonometry, congruence and similarity, surface area, volume and transformations.

## Student Outcome:
The student will be able to:
1) Identify and apply the properties of circles
2) Prove figures are congruent
3) Apply transformations to various figures
4) Prove figures are similar
5) Understand and apply the Pythagorean Theorem
6) Understand and apply Trigonometric Functions
7) Calculate the surface area and volume of three-dimensional figures

## Assessment:
Assessment of student outcomes will be based on student performance through examinations, assignments, and qualitative evaluations. Assessments will help students to analyze, interpret, explain, synthesize, evaluate, and communicate.

**Instructional Materials:** Aventa Learning Online Curriculum www.aventalearning.com

**Board Approval:** 5/17/11 **Amended:**

# Pacific View Charter School
# Course Outline

**Course Title:** Geometry A **Course #:** 2204/1067
**Department:** Mathematics **Credits:** 5
**Pre-requisite:** Algebra ~~1A/B~~ with C or better/Demonstration of Mastery

**Course Description:** This course is designed to prepare students for further pursuit of college-prep mathematics. The geometry skills and concepts developed in this discipline are useful to all students. Aside form learning these skills and concepts, students will develop their ability to construct formal, logical arguments and proofs in geometric settings and problems. Grades are based on the teacher's evaluation of Coursework and Chapter Assessments.

## Student Outcome:
The student will be able to:
1) Write geometric proofs, including proofs by contradiction.
2) Construct and judge the validity of a logical argument and give counterexamples to disprove a statement.
3) Prove basic theorems involving congruence and similarity.
4) Prove that triangles are congruent or similar, and they are also to use the concept of corresponding parts of congruent triangles.
5) Know and are able to use the triangle inequality theorem.
6) Prove and use theorems involving the properties of parallel lines cut by a transversal, the properties of quadrilaterals, and the properties of circles.
7) Know, derive, and solve problems involving the perimeter, circumference, area, volume, lateral area, and surface area of common geometric figures.
8) Compute the volumes and surface areas of prisms, pyramids, cylinders, cones, and spheres; and students commit to memory the formulas for prisms, pyramids, and cylinders.
9) Compute areas of polygons, including rectangles, scalene triangles, equilateral triangles, rhombi, parallelograms, and trapezoids.
10) Determine how changes in dimensions affect the perimeter, area, and volume of common geometric figures and solids.

## Assessment:
Assessment of student outcomes will be based on student performance through examinations, assignments, and qualitative evaluations. Assessments will help students to analyze, interpret, explain, synthesize, evaluate, and communicate.

**Instructional Materials:** Geometry Prentice Hall, 2004

**Board Approval Date:** 3/18/08 Amended:

# Pacific View Charter School
# Course Outline

**Course Title:** Geometry B **Course #:** 2205/1068
**Department:** Mathematics **Credits:** 5
**Pre-requisite:** Geometry A with C or better/ Demonstration of Mastery

**Course Description:** This course is designed to prepare students for further pursuit of college-prep mathematics. The geometry skills and concepts developed in this discipline are useful to all students. Aside form learning these skills and concepts, students will develop their ability to construct formal, logical arguments and proofs in geometric settings and problems. Grades are based on the teacher's evaluation of Coursework and Chapter Assessments.

## Student Outcome:

The student will be able to:

1) Find and use measures of sides and of interior and exterior angles of triangles and polygons to classify figures and solve problems.
2) Prove relationships between angles in polygons by using properties of complementary, supplementary, vertical, and exterior angles.
3) Prove the Pythagorean theorem.
4) Use the Pythagorean theorem to determine distance and find missing lengths of sides of right triangles.
5) Perform basic constructions with a straightedge and compass, such as angle bisectors, perpendicular bisectors, and the line parallel to a given line through a point off the line.
6) Prove theorems by using coordinate geometry, including the midpoint of a line segment, the distance formula, and various forms of equations of lines and circles.
7) Know the definitions of the basic trigonometric functions defined by the angels of a right triangle. They also know and are able to use elementary relationships between them.
8) Use trigonometric functions to solve for an unknown length of a side of a right triangle, given an angle and a length of a side.
9) Prove and solve problems regarding relationships among chords, secants, tangents, inscribed angles, and inscribed and circumscribed polygons of circles.

## Assessment:

Assessment of student outcomes will be based on student performance through examinations, assignments, and qualitative evaluations. Assessments will help students to analyze, interpret, explain, synthesize, evaluate, and communicate.

**Instructional Materials:** Geometry Prentice Hall, 2004

**Board Approval Date:** 3/18/08 **Amended:**