

PROGRAM ORGANIZATION

General Standards

Program Specifics	Number
Teacher Student Ratio	1:30
Student Capacity per Period/Block	30
Teachers	1
Aides	0
Grade Levels for Program	9-12
Hours per Day Space Occupied	7.5

State Facility Standards

Facility	Lab Facility <i>(square footage standards)</i>
Lab	2280
Storage	90
Project	395
Total	2765

Volusia Variance of Standards

Facility	Lab Facility <i>(square footage standards)</i>
Drafting Classroom/Lab	2225
Storage	50
Project	150
Teacher Planning/Co-op Office	75
Total	2500

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VOLUSIA VARIANCE JUSTIFICATION

Facility	State Lab Facility <i>(square footage standards)</i>	Volusia Lab Facility <i>(square footage standards)</i>	Volusia Variance Justification
Classroom/Lab	2280	2225	N/A
Storage	90	150	N/A
Project	395	50	N/A
Teacher Planning /Co-op Office	0	75	Reduced Project to allow for Coop/OJT office
TOTAL	2765	2500	

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INFRASTRUCTURE

Items	Considerations
Heating/Cooling/Ventilation	<ul style="list-style-type: none"> Appropriate ventilation for storage room supplies (paint, glue, etc.) Proper cooling for 30 computers.
Acoustical	<ul style="list-style-type: none"> NA
Floors	<ul style="list-style-type: none"> Commercial Flooring/Tile – no carpet
Walls	<ul style="list-style-type: none"> 8 bulletin/tack boards 2 white boards
Ceiling	<ul style="list-style-type: none"> Ceiling-Mounted Projector – directional for both screens 1 Screen – drop down for Multi-Media Teacher Station
Lighting	<ul style="list-style-type: none"> Non-glare, task lighting Appropriate to computer screen viewing
Windows	<ul style="list-style-type: none"> Exterior: Vertical room-darkening blinds for presentations Interior: Viewing windows between 1. Teacher Planning & Classroom.
Doors	<ul style="list-style-type: none"> 2 Exterior Doors: 2 Interior Doors Teacher Planning to Classroom/Lab Classroom/Lab to storage
Water	<ul style="list-style-type: none"> Sink
Communications	<ul style="list-style-type: none"> 37 computer ports with Internet access: 32 for Student Stations in Classroom/Lab 1 for Multi-Media Teacher Station in Classroom/Lab 3 one for each printer(3) 1 in teacher planning/storage 3 Network Printers: 2 B/W Network Laser in Classroom/Lab 1 Color Network Large format in Classroom/Lab
Electrical	<ul style="list-style-type: none"> Electrical/outlets to support 40 computers in Classroom/Lab. NO POWER POLES dropped from ceiling into middle of classroom! <u>All power/computer ports/outlets/Internet to come off walls providing maximum flexibility of furniture placement.</u> Perimeter duplex outlets at counter height where there is built-in cabinetry: Printer Cabinet and “L” Cabinetry in Classroom/Lab; and Counter with Sink . Need additional floor duplex outlets in classroom/lab to provide access no more than 20’ from any location
Gas and Air	N/A
Safety	<ul style="list-style-type: none"> Computer wires/lines off floor and channeled through a wire-housing tube.
Fencing	N/A
Service Drive	N/A
Parking	N/A
Built-Ins	<ul style="list-style-type: none"> Classroom/Lab – Printer stand with upper and lower locking cabinets, and counter. All adjustable shelving! ALL COUNTERS HAVE FINISHED HEIGHT OF 36”
Location	N/A

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FURNITURE AND EQUIPMENT

Area	Room Type	Item	Quantity
Technology Education	Classroom/Lab	Bookcase, 60" H	2
Technology Education	Classroom/Lab	Cabinet, A/V Mobile, w/Lock 2-24"Deep Shelves	1
Technology Education	Classroom/Lab	Cabinet, File, Lateral Hanger, Legal	2
Technology Education	Classroom/Lab	Cabinet, Built-in with Upper/Lower & Counter(minimum 10') with sink	1
Technology Education	Classroom/Lab	Cart, Rolling, PC Presentation	1
Technology Education	Classroom/Lab	Chair, Student, Zuma Mobile (UGLIDE, no casters)	36
Technology Education	Classroom/Lab	Chair, Teacher's, Adj.	1
Technology Education	Classroom/Lab	Drafting tool kits(14 piece minimum)	36
Technology Education	Classroom/Lab	Drawing board storage cabinet for 18x24 portable boards	1
Technology Education	Classroom/Lab	Portable drawing board, 18x24, durable folding legs	36
Technology Education	Classroom/Lab	Teacher demonstration drawing board, minimum 60"	1
Technology Education	Classroom/Lab	Clock	1
Technology Education	Classroom/Lab	Flag W/Flag Holder	1
Technology Education	Classroom/Lab	Lectern, 2 Pc, w/Adj Shelf, Assembled	1
Technology Education	Classroom/Lab	Pencil Sharpener, Electric	2
Technology Education	Classroom/Lab	Pencil Sharpener, Manual/Wall	2
Technology Education	Classroom/Lab	Stool, Fixed Height, 30"	1
Technology Education	Classroom/Lab	Double computer workstation, 5' with Wire Management	16
Technology Education	Classroom/Lab	Base for flat file	4
Technology Education	Classroom/Lab	5 drawer D size flat files	8
Technology Education	Classroom/Lab	Bulletin board, 48x96	4
Technology Education	Classroom/Lab	Bulletin board, 48x72	4
Technology Education	Classroom/Lab	VCR/DVD Combo	1
Technology Education	Classroom/Lab	Wastebasket, Plastic, 28 1/8	2
Technology Education	Classroom/Lab	White Chalkboard Drawing Set	1
Technology Education	Teacher Planning/Coop Office	Bookcase, 60" H	1
Technology Education	Teacher Planning/Coop Office	Cabinet, File, Legal, 4-Drawer W/Lock	1
Technology Education	Teacher Planning/Coop Office	Cabinet, File, Letter, 4-Drawer W/Lock	1
Technology Education	Teacher Planning/Coop Office	Chair, Reception	2
Technology Education	Teacher Planning/Coop Office	Chair, Teacher's, Adj.	1
Technology Education	Teacher Planning/Coop Office	Clock	1
Technology Education	Teacher Planning/Coop Office	Mat, Chair	1
Technology Education	Teacher Planning/Coop Office	Pencil Sharpener, Electric	1
Technology Education	Teacher Planning/Coop Office	Tac Board	1
Technology Education	Teacher Planning/Coop Office	Wastebasket, Plastic, 28 1/8	1
Technology Education	Storage	Cabinet, Storage, Locking, Large	1
Technology Education	Storage	Shelving, Open (Maximize open shelving)	1
Technology Education	Teacher Planning/Coop Office	Desk, Teacher's	1
Technology Education	Classroom/Lab	Storage Cabinet	1
Technology Education	Classroom/Lab	Table, 30 x 60, adjustable legs	16

IMPORTANT: Items and Quantities may change as floor plan size is modified!

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COMPUTER HARDWARE AND SOFTWARE

AREA	ROOM TYPE	ITEM	QUANTITY
Technology Education	Classroom/Lab	Computer, DVD/CD burner - Internet (suitable for CAD software)	30
Technology Education	Classroom/Lab	Computer, DVD/CD burner - Internet (suitable for CAD software)	1
Technology Education	Classroom/Lab	LCD/Elmo Overhead Projection	1
Technology Education	Classroom/Lab	Printer, Network, B/W	2
Technology Education	Classroom/Lab	Printer, Network, Large Format, DSize, Color	1
Technology Education	Classroom/Lab	Projector, Ceiling Mount	1
Technology Education	Classroom/Lab	Projector Screen, Ceiling Mount - Retractable	1
Technology Education	Classroom/Lab	Scanner	1
Technology Education	Teacher Planning/Coop Office	Laptop Computer(suitable for CAD software)	1

IMPORTANT: Please contact Dan Cox, Technology Education Specialist, for *Drafting/CAD* specific software at 386-255-6475 x60216.

FLOOR PLAN

NO POWER POLES. All power, data ports, internet to come from the walls.

Please contact Kristin B. Pierce at x60180 for an AutoCAD drawing.

