

Technical / Career Education

Workers of today may change occupations five to seven times in their lifetimes. In order to better prepare students for this trend, technical and career education courses are now organized into career clusters. Courses within the cluster areas provide for career exploration, pursuit of career interests, preparation for the changing demands of life roles, study of the principles and practical experiences of technology and science, and application of academic learning in the world of work.

Students seeking employment after graduation from high school, as well as students seeking employment after the completion of college, may choose from a wide variety of technical and career courses.

Some programs that might be included are:

Technical Education:

- Construction / Manufacturing
- Power & Transportation
- Computers & Communications
- Technical Drawing
- Photography / Graphics
- Project Lead the Way

Business/ Marketing:

- Accounting / Adv.
- Computer Systems / Adv.
- Information Technology Fundamentals
- Virtual Enterprise
- Keyboarding / Key Applications / Desktop
- Business Law
- Office Administration
- Cooperative Office Education

The pages that follow contain a list of spaces and drawings illustrating the relationship between various program areas, and the individual spaces within the program area. Additionally, a description of the activities, persons to accommodate, and items to be considered is included.



Technical / Career Education Space Requirements

for the Technical and Career Education classes. The table below lists the square footage allocated specifically

Plan A: Centralized Career / Tech Ed

	e Plan B	emic Areas Se	he Core Acad	Note: Some of these areas may be incorporated into the Core Academic Areas. See Plan B
20,600			12	Total
2,400	2,400	—	1	Career Tech Ed Program TBD
1,500	1,500	1	1	Graphic Arts
3,000	3,000	1	11	Agriculture
3,000	3,000	ļ÷÷	}- 4	Manufacturing
2,000	2,000	1	1	Project Lead the Way
3,000	1,000	3	ω	Business / Marketing
1,200	1,200	jt	1	CADD / Web Design
850	850	1		Staff Office / Storage
1,400	1,400	þub	1	Media Lab (Yearbook / Newspaper)
850	850		1	Computer Lab
1,400	1,400	1	1	Video Production
Total	SF	Quantity	TS	
	ested	Suggested		Technical / Career Education

Plan B: Integrate Tech Ed Areas into Core Academic Areas

6,000			2	Total
3,000	3,000	1	1	Agriculture
3,000	3,000	1	1	Manufacturing
Total	SF	Quantity	ST	
	ggested	Sugg		Technical / Career Education



Technical / Career Education Space Descriptions Video Production

VIDEO PRODUCTION	
ACTIVITIES	PERSONS
Video Production	Teachers
	Students

VIDEO PRODUCTION		QTY
MECHANICAL	Sound proof room	Yes
PLUMBING	No Special Requirements	
ELECTRICAL / LIGHTING	Adjustable lighting	Yes
TECHNOLOGY	See regular classroom	Yes
	Video & audio recording devices	Yes
FURNITURE / EQUIPMENT	See regular classroom	Yes
SWOUNTM & SAUCE	Door with view panel	Yes
	No windows	
SPECIAL CONSIDERATIONS	Set up for newscasting	Yes



Technical / Career Education Space Descriptions Computer Lab

	Whole group and small group language instruction	ACTIVITIES	COMPUTER LAB
Teachers	Students	PERSONS	

		VΤO
	Adequate ventilation	Yes
MECHANICAL	Air conditioning	Yes
PLUMBING	No special requirements	
	Multiple duplex electrical outlets on each wall to data ports	Yes
	Dedicated lines and electrical for computers	Yes
ELECTRICAL / LIGHTING	Dimmer light switches	Yes
	Room darkening capability	Yes
	Telephone/intercom/voicemail port	Yes
	Video and data ports	Yes
	Quad outlet adjacent to each data port	Yes
	Data drops with double, triple, or quad Communications Network Outlets	35
TECHNOLOGY	Wireless access points throughout school	Yes
	Electronic surveillance system in every area	Yes
	Headphones and microphones	Yes
	Interactive whiteboards connected to the Audio/Visual storage plates	Y₽2
	on the wall and floor, with proximity to electrical and data ports	

Technical / Career Education Space Descriptions Computer Lab

COMPUTER LAB	Printers and printer tables Wall cabinets Worktables	Yes Yes
FURNITURE / EQUIPMENT	Comfortable ergonomic student chairs that allow movement Marker board	Yes Yes
	Tack board	Yes
	Computer tables and chairs	Yes
	Shelving for printer supplies/paper	Yes
	Locking storage cabinets with multiple power outlets	Yes
DOODS & WINDOWS	Door: no special requirements	
DOORS & WINDOWS	Windows: operable, with blinds to allow controlled natural lighting	Yes
	Provide method to darken room for Audio/Visual presentations	Yes
CONCIDENTIONS	Security consideration for community after-school use	Yes
STECIAL CONSIDERATIONS	Teacher presentation station	Yes
	Moveable furniture	Yes



Technical / Career Education Space Descriptions Media Lab

MEDIA LAB	
ACTIVITIES	PERSONS
Productions	Students
Computer applications	Teacher
Yearbook	Aides
Newspaper	Parents
	Community Members

MEDIA LAB		QΙΥ
MECHANICAL	No Special Requirements	
PLUMBING	No Special Requirements	
	Duplex electrical outlets on each wall	Yes
		Yes
ELECIRICAL / LIGHTING	ing areas	Yes
	Room darkening capability	Yes
	Telephone / intercom / voicemail port	Yes
		Yes
A	Projector from Ceiling	Yes
	Whiteboard / Projector Screen	Yes
		Yes
TECHNOLOGY	Data ports	Yes
	6 data drops with double, triple, or quad Communications Network Outlets	Yes
	Wireless laptops with carts for battery recharging	Yes
	Area for distance learning (with video conferencing)	Yes
	Headphones and microphones	Yes



Technical / Career Education Space Descriptions Media Lab

	QTY
Movable tables and chairs	Yes
Printers and printer tables	Yes
Networked computers with access to programs and card catalog	Yes
LCD projector and mounted screen	Yes
Tack board	Yes
Magnetic marker board	Yes
Anti-static carpets	Yes
Door with view panel	Yes
Windows: operable, allow controlled natural lighting	Yes
Natural light	Yes
Auditory privacy	Yes
Provide method to darken room for AV Presentations	Yes
Accessible computer equipment for special needs	Yes
	and chairs iter tables outers with access to programs and indigenous and mounted screen r board its able, allow controlled natural lighting to darken room for AV Presentations to darken room for Special needs



Technical / Career Education Space Descriptions Project Lead the Way

PROJECT LEAD THE WAY	(1) · 我这样,一个话说,是一个话,我们也是一个话,他们也是一个话,他们也是一个话,他们也是一个话,我们也是一个话,他们也是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个
ACTIVITIES	PERSONS
Pre enginneering	Teachers
Tech production	Students
Group work	

PROJECT LEAD THE WAY	,如果我们就是我们的一个时间,我们就是一个时间,我们就是一个时间,我们就是一个时间,我们就是一个时间,我们就是一个时间,我们就是一个时间,我们就是一个时间,我们 一个时间,我们就是一个时间,我们就是一个时间,我们就是一个时间,我们就是一个时间,我们就是一个时间,我们就是一个时间,我们就是一个时间,我们就是一个时间,我们就	QTY
MECHANICAL	No Special Requirements	
PLUMBING	No Special Requirements	
	Duplex outlet	1 per wall
	Quad outlet @ each data port	ļ-d-
	Overhead lighting	Yes
ELECTRICAL / LIGHTING	Room darkening capability - dimmer switches	Yes
	Controlled day lighting, banked lighting	Yes
	Mobile tables need variety of ways to set electricity [floor or fixed table]	Yes
	Front row of light, dimmable	Yes
	Wall mounted projection screen	Yes
	Voice, data, video outlets at teacher desk	1
	6 data drops with double, triple, or quad Communications Network Outlets	6
	2 data drops at teacher desk area	2
	Single data drop dedicated to wireless, high on wall	} 4
	Telephone	p-
TECHNOLOGY	Intercom	Yes
	Interactive whiteboard with integral computer projector	
	Ceiling mounted computer projector with retractable screen	Yes
	Laptop computers with carts, shared	26
	Access to voice, video, data ports, and electrical outlets	Yes
	Teacher data port separate from student data ports	Yes
	Audio enhancement	1 system



Technical / Career Education Space Descriptions Manufacturing

MANUFACTURING	
ACTIVITIES	PERSONS
Classroom presentation	Teacher
Project design	Aides
Project construction	Parents
Demo project exemplar	Students
Construction	
Fabrication	
Production	
Manufacturing	
Project work	

Compressed air Adequate ventilation Sinks with hot and cold water
Yes Yes



Technical / Career Education Space Descriptions Agriculture

AGRICULTURE	
ACTIVITIES	PERSONS
Agriculture mechanics	Teachers
	Students

AGRICULTURE		QTY
MECHANICAL	No Special Requirements	
PLUMBING	No Special Requirements	
	Duplex outlet	1 per wall
	Quad outlet @ each data port	H
	Overhead lighting	Yes
ELECTRICAL / LIGHTING	Room darkening capability - dimmer switches	Yes
	Controlled day lighting, banked lighting	Yes
	Mobile tables need variety of ways to set electricity [floor or fixed table]	Yes
	Front row of light, dimmable	Yes
	Wall mounted projection screen	Yes
	Voice, data, video outlets at teacher desk	1
	6 data drops with double, triple, or quad Communications Network Outlets	6
	2 data drops at teacher desk area	2
	Single data drop dedicated to wireless, high on wall	H
	Telephone	F
TECHNOLOGY	Intercom	Yes
	Interactive whiteboard with integral computer projector	+
	Ceiling mounted computer projector with retractable screen	Yes
	Laptop computers with carts, shared	26
	Access to voice, video, data ports, and electrical outlets	Yes
	Teacher data port separate from student data ports	Yes
	Audio enhancement	1 system



Technical / Career Education Space Descriptions Agriculture

AGRICULTURE		QTY
	Computer tables	Yes
	Teacher desk and chair	Yes
	Ergonomic chairs	Yes
	Interactive whiteboard	Yes
TORNETONE / EQUITMENT	Black and white printer	Yes
	Color printer	Yes
	Scanner	Yes
	Ceiling mounted projector screen	Yes
50000 WILLOWS	Door with view panel	Yes
DOORS & WINDOWS	Windows with built in blinds	Yes
SPECIAL CONSIDERATIONS No special requirements	No special requirements	
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Technical / Career Education Space Descriptions Graphic Arts

GRAPHIC ARTS	
ACTIVITIES	PERSONS
Project work	Teachers
Research	Students
Computer access	Volunteers
Group work	

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MECHANICAL	No Special Requirements	
PLUMBING	No Special Requirements	
	Duplex outlet	1 per wall
	Quad outlet @ each data port	1
	Overhead lighting	Yes
ELECTRICAL / LIGHTING	Room darkening capability - dimmer switches	Yes
	Controlled day lighting, banked lighting	Yes
	Mobile tables need variety of ways to set electricity [floor or fixed table]	Yes
	Front row of light, dimmable	Yes
	Wall mounted projection screen	Yes
	Voice, data, video outlets at teacher desk	1
	6 data drops with double, triple, or quad Communications Network Outlets	6
	2 data drops at teacher desk area	2
	Single data drop dedicated to wireless, high on wall	1
•	Telephone	<u></u>
TECHNOLOGY	Intercom	Yes
	Interactive whiteboard with integral computer projector	μĽ
	Ceiling mounted computer projector with retractable screen	Yes
	Laptop computers with carts, shared	26
	Access to voice, video, data ports, and electrical outlets	Yes
	Teacher data port separate from student data ports	Yes
	Audio enhancement	1 system



Technical / Career Education Space Descriptions Graphic Arts

GRAPHIC ARTS		QTY
	Computer tables	Yes
	Teacher desk and chair	Yes
	Ergonomic chairs	Yes
הושאיניים איניים	Interactive whiteboard	Yes
	Black and white printer	Yes
•	Color printer	Yes
	Scanner	Yes
	Ceiling mounted projector screen	Yes
DOORS WINDOWS	Door with view panel	Yes
DOORS & WINDOWS	Windows with built in blinds	Yes
SPECIAL CONSIDERATIONS	No special requirements	

Technical / Career Education Space Descriptions Staff Office / Storage

Teacher meetings and preparation Teachers	ACITIVITIES PER	STAFF OFFICES / STORAGE
ichers	ONS	

STAFF OFFICES / STORAGE		QTY
MECHANICAL	Quiet air conditioning	Yes
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall Quad outlet at each data port	Yes Yes
TECHNOLOGY	Telephone/intercom/voicemail port Video and data ports Duplex outlet Quad outlet @ each data port Intercom	Yes Yes Yes
FURNITURE / EQUIPMENT	Elegal size file lateral drawer 6 data drops with double, triple, or quad Communications Network Outlets Desk chair Guest chairs Lamps Bookshelves Marker board Laptop computer Printer Locking file cabinet, 4 drawer Builetin board Clock	Yes Yes 1 1 2 2 Yes 18LF 4LF 1 1 to 2 4 F
DOORS & WINDOWS	Door: view panel	Yes
SPECIAL CONSIDERATIONS	Bright, soft lighting Carpeted flooring	Yes



Technical / Career Education Space Descriptions CADD / Web Design

CADD WEB DESIGN	
ACTIVITIES	PERSONS
Project work	Teachers
Research	Students
Computer access	Volunteers
Group work	

CADD WEB DESIGN		VΤO
MECHANICAL	No Special Requirements	
PLUMBING	No Special Requirements	
	Duplex outlet	1 per wall
	Quad outlet @ each data port	1
	Overhead lighting	Yes
ELECTRICAL / LIGHTING	Room darkening capability - dimmer switches	Yes
	Controlled day lighting, banked lighting	Yes
	Mobile tables need variety of ways to set electricity [floor or fixed table]	Yes
	Front row of light, dimmable	Yes
	Wall mounted projection screen	Yes
	Voice, data, video outlets at teacher desk	ļ-4
	6 data drops with double, triple, or quad Communications Network Outlets	6
	2 data drops at teacher desk area	2
	Single data drop dedicated to wireless, high on wall	14
H C C C C C C C C C C	lelephone	₽
TECHNOLOGY	Intercom	Yes
	Interactive whiteboard with integral computer projector	₽
	Ceiling mounted computer projector with retractable screen	Yes
	Laptop computers with carts, shared	26
	Access to voice, video, data ports, and electrical outlets	Yes
	leacher data port separate from student data ports	Yes
	Audio enhancement	1 system



Technical / Career Education Space Descriptions CADD / Web Design

CADD WEB DESIGN		QTY
	Computer tables	Yes
	Teacher desk and chair	Yes
	Ergonomic chairs	Yes
	Interactive whiteboard	Yes
TORNITORM / MODITARN	Black and white printer	Yes
	Color printer	Yes
	Scanner	Yes
	Ceiling mounted projector screen	Yes
	Door with view panel	Yes
DOORS & WINDOWS	Windows with built in blinds	Yes
SPECIAL CONSIDERATIONS No special requirements	No special requirements	

Technical / Career Education Space Descriptions Business & Marketing

Community Members	Parents	Aides	Computer learning Teacher	Whole group and small group instruction Students	ACTIVITIES PERSONS	BUSINESS & MARKETING
S						

BUSINESS & MARKETING		Ĭ
MECHANICAL	No Special Requirements	
PLUMBING	No Special Requirements	
	Duplex electrical outlets on each wall	Ύes
ELECTRICAL / LIGHTING	Quad outlet @ each data port	Yes
	Ability to control specific lighting areas	řes
	Room darkening capability	Yes
	Telephone / intercom / voicemail port	Yes
	Multi media projection	řes
	Projector from Ceiling	Ύes
	Whiteboard / Projector Screen	Yes
TECHNOLOGY	Front row of light, dimmable	Yes
	Data ports	Yes
	6 data drops with double, triple, or quad Communications Network Outlets	Yes
		Yes
	Area for distance learning (with video conferencing)	Yes
	Headphones and microphones	Yes



Technical / Career Education Space Descriptions Business & Marketing