GRADES 9 - 12 MINIMUM FACILITY RECOMMENDATIONS
TECHNOLOGY EDUCATION

Technology Instructional Arrangement	**Existing Facility** (*) Recommended minimum safe area. (Square feet per student approximately 80% of new facility.)	**New Facility** (*) Recommended design standard for a class of 24 students. Minimum Area and Utilization
General Data Applies to all courses unless listed differently.	The maximum number of students per class period is equal to the existing floor area divided by the safe square feet per student recommended below. Not to exceed 24 students total.	Office...……...100 sq. ft. Supply storage……...5% of area Material storage……..5% of area Student storage…..……..10% of area Resource Center…….....5% of area Class discussion…...……15% of area
Engineering Graphics Architectural Graphics Communication Graphics Engineering Graphics Computer Multimedia and Animation Technology Computer Applications Bio-Related Technology Electricity/Electronics Technology Principles of Technology I, II	66 square feet per student Not to exceed 24 students total.	2000 square feet inclusive, Single activity facility, Dust-free atmosphere
Communication Systems Energy, Power, and Transportation Systems	100 square feet per student Not to exceed 24 students total.	3000 square feet inclusive, Single activity facility, Dust-free atmosphere, Fume exhaust system, Work surface……...….15% of area Machine space...……...15% of area Darkroom-Grf. comm. …10% of area Darkroom–Photo…….….20% of area
Manufacturing Systems Manufacturing Technology Architectural Construction Construction Systems	133 square feet per student Not to exceed 24 students total.	4000 square feet inclusive, Single activity facility, Dust and fume collection system, Material storage for stock up to 18 feet long……..……8% of area Student storage…….....12% of area Planning area…….…….....5% of area Bench....…….....15% of area Machine……..……..15% of area Processing……...….15% of area
Technology Systems Engineering Principles (All six technology areas taught in the same facility) Comprehensive Laboratory	166 square feet per student Not to exceed 24 students total.	5000 square feet inclusive, Multi-activity facility, Each technology area in the facility to meet or exceed the recommendations listed above
Any two courses taught in the same facility	Add the square feet per student for each area and multiply the total by .75	Add the square feet for each area and multiply the total by .75 Multi-activity facility, Each course area in the facility to meet or exceed the recommendations above.
Research and Development Problems and solutions in Technology	Space requirements must match that of the Technology area being taught	

(*) Facility is used here to identify a single laboratory or educational space for a course.

GRADES 6 - 8 MINIMUM FACILITY RECOMMENDATIONS
TECHNOLOGY EDUCATION/–

Technology **Instructional** **Arrangement**	**Existing Facility** (*) Recommended minimum safe area. (Square feet per student approximately 80% of new facility.)	**New Facility** (*) Recommended design standard for a class of 24 students. Minimum Area and Utilization
General Data Applies to all courses unless listed differently.	The maximum number of students per class period is equal to the existing floor area divided by the safe square feet per student recommended below. Not to exceed 24 students total.	Office...……...100 sq. ft. Supply storage……...5% of area Material storage……..5% of area Student storage…..……..10% of area Resource Center…….....5% of area Class discussion…...……15% of area
Technology Education; single area of instruction Comprehensive Laboratory	133 square feet per student Not to exceed 24 students total.	4000 square feet inclusive, Dust-free communications area, Darkroom……...5% of area Bench…..……..……15% of area Machine……...…….....15% of area Processing…….……...20% of area
Exploring Communication Technology, Exploring Computer Applications; single area of instruction	53 square feet per student Not to exceed 24 students total.	1600 square feet inclusive, Dust-free atmosphere, Darkroom…….....5% of area Machine……..20% of area Bench……...20% of area Processing…….……...15% of area
Exploring Technology Courses; More than one course taught the same facility	106 square feet per student Not to exceed 24 students total.	1600 square feet inclusive, Fume exhaust system, Bench……...20% of area Machine……...….15% of area Processing…….……...25% of area
Exploring Manufacturing Technology, Exploring Construction Technology; Exploring Energy, Power, and Transportation Technology, single area of instruction.	106 square feet per student Not to exceed 24 students total.	3200 square feet inclusive, Dust collection system, Bench…..……..……15% of area Machine……...…….....15% of area Processing…….……...20% of area
Technology Education and Exploring Technology Courses taught in the same facility	166 square feet per student Not to exceed 24 students total.	5000 square feet inclusive – Multi-activity facility-Combine values in Technology Education and Exploring Technology Courses.

(*) Facility is used here to identify a single laboratory or educational space for a course.