| TITLE | Planning for Education: Space Guidelines for Planning |
| :--- | :--- |
|  | Educational Facilities. Revised. |
| INSTITUTION | Oklahoma State Dept. of Education, Oklahoma City. |
| PUB DATE | $1998-00-00$ |
| NOTE | $31 p$. |
| PUB TYPE | Guides - Non-Classroom (055) -- Numerical/Quantitative Data |
|  | $(110)$ |
| EDRS PRICE | MF01/PC02 Plus Postage. |
| DESCRIPTORS | *Educational Facilities Design; Elementary Secondary |
|  | Education; *Facility Guidelines; *Public Schools; *Space <br>  <br> Utilization; *State Regulation; State Standards |
| IDENTIFIERS | *Oklahoma |

ABSTRACT
This booklet provides guidelines for school planners and designers on the state requirements for space allocation in its $\mathrm{K}-12$ public schools. Recommendations are included for various specialized facilities to assure that proper spaces can be provided beyond the typical classroom space. Guidelines are arranged under the categories of instructional, auxiliary, and service and structure spaces. Also included are guidelines for site development and planning, and a table of working heights and toilet fixture guidelines for educational occupancies. (GR)

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## Planning for Education:

$\square$ Minor changes have been made 10 improve reproduction quality.

## Space Guidelines for

## Planning Educational Facilities



## Sandy Garrett

State Superintendent of Public Instinction
Oklahoma State Department of Education

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## Planning for Education:

## Space Guidelines for

Planning Educational Facilities


## Sandy Garrett

State Superntendent of Public lnotuction
Oklahoma State Department of Education
Revised

# PLANNING FOR EDUCATION: SPACE GUIDELINES FOR PLANNING EDUCATIONAL FACILITIES 

## Prepared by:

State Finance Division: Capital Improvement Section Common School Capital Improvement Needs Assessment Committee

Revised
1998

This publication printed by the State Department of Education Printing Services, is issued by the Oklahoma State Department of Education as authorized by 70 O.S. § 3-104. One thousand copies have been prepared at a cost of 78 cents per copy. Copies have been deposited with the Publications Clearinghouse of the Oklahoma Department of Libraries. September 1998

## FOREWORD

In 1983 the Oklahoma Legislature passed Senate Bill No. 625. This bill states in part:
SECTION 2. It is hereby declared to be the intent of the Legislature to assure that students in the public schools of this State occupy facilities which are designed for adaptability to program offerings. Such facilities should be structurally safe, well-maintained and contain adequate space to meet the instructional needs of each student. It is further declared to be the intent of the Legislature that these facility standards be implemented through the Common School Capital Improvement Act.

These space guidelines for planning educational facilities have been prepared for use by school administrators and architects/engineers/planners in the planning and evaluation of new and existing educational facilities. These space guidelines were developed in conjunction with the State Four-Year Capital Improvement Plan for Public Common Schools with the purpose of defining, organizing and encouraging the process of planning for educational facilities to the extent that more adequate environments for education can be obtained. Effective and wise facility planning does not occur accidentally, but through careful studies that are sensitive to the specific individual needs of the school district. The guidelines contained herein cover only part of the information involved in the total planning process, and should be considered as recommendations to be used in preparing educational specifications based on the individual district's needs. The careful use of these standards should aid school districts in their responsibility to spend capital outlay dollars more advantageously and therefore better utilize the taxpayers' money.

School administrators, and architects/engineers/planners are encouraged to consult with Capital Improvement and State Department of Education specialists for assistance in planning individual specialized spaces such as library/media centers, cafeterias, etc.

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## COMMENTARY/INSTRUCTIONS FOR USE

1. The guidelines included herein have been designed to allow for the requirements of all Oklahoma school districts regardless of size or educational program. Recommendations have been included for various specialized facilities to assure that proper spaces can be provided beyond the typical classroom space. These guidelines should not be considered "inflexible" when planning educational spaces; "tailoring" of spaces to meet the specific individual district needs is mandatory; however, the use of square footage that are less than the minimum acceptable recommendation should be carefully considered. Effective and wise facility planning must include both the present and future needs of a school district. It is extremely difficult, but not impossible, to provide an adequate and sound educational program without a comparable school plant.
2. Throughout this publication for the purposes of organization, guidelines for facilities have been arranged under the following categories:

Instructional Spaces

Kindergarten
General Classrooms and Laboratories
Arts and Crafts
Business and Commercial
Consumer Home Economics
Driver Education
Health Instruction
Instructional Vocational
Physical Science
Special Education
Specialized Spaces
Vocational Agriculture
Vocational-Technical

Auxiliary Spaces

Administration
Auditorium
Food Preparation,
Service and
Dining Facilities
Guidance and Counseling
Nurse/Health Clinic
Music
Physical Education
Staff Personnel Spaces
Student Space

## Service and Structure Spaces

Custodial General Storage
Restrooms
Mechanical Rooms
Corridors and Wall
Areas
3. All square footage shown, unless otherwise noted, are net square feet and do not include circulation, mechanical and electrical spaces, and wall area. For approximate gross square footage, add 20 percent to the total net area.
4. Related service or support area entries have been included in the space guidelines after the major activity listing. Except where noted otherwise, the square footage requirements associated with these entries should be considered in addition to the square footage outlined for the major activity. It is up to each school district to carefully consider what effect the inclusion or exclusion of square footage affirmed to service or support areas will have on the program offered in that space both now and in the future.
5. Full consideration should be given to which major activities, as well as which service and support areas, are included in the planning of space requirements of present and future educational programs. Evaluation of space allocations in other grade organizations should be considered if education programs are more or less extensive than that indicated.
6. Assistance in evaluating space requirements is available from the Capital Improvement Section of the State Department of Education.

Suggested Methods of Calculating Preliminary Net and Gross Square Footage for School Buildings

|  | (1) <br> Total Net Area (Sq. ft. Per Student) | Total Gross Area (Sq. ft. Per Student) |
| :---: | :---: | :---: |
| Elementary School K-6 (2) |  |  |
| Instructional Spaces (3) | 37.5 | 46.86 |
| Auxiliary Spaces (3) | 27.67 | 34.53 |
| Service and Structure Spaces (3) | 6 | 6.6 |
| Total | 71.17 | 87.99 |
| Middle/Junior High Schools $7-8 ; 6-7.8 ; 7-8-9$ |  |  |
| Instructional Spaces | 59 | 73.75 |
| Auxiliary Spaces | 33 | 41.25 |
| Service and Structure Spaces | 7 | 7.7 |
| Total | 99 | 122.7 |
| High School 9-12 (4) |  |  |
| Instructional Spaces | 60 | 75.00 |
| Auxiliary Spaces | 37 | 46.75 |
| Service and Structure Spaces | 9 | 9 |
| Total | 106 | 130.75 |

## NOTES:

(1) The Total Net square footage include space requirements for corridors, but exclude area required for walls. For conversion to gross square footage: net sq. ft . $(1.24)=$ gross sq. ft.
(2) All preliminary space guidelines are based on a minimum student capacity of 450 .
(3) Instructional Spaces

Included:
General Classrooms
Arts and Crafts Business and Commercial Consumer Home Economics Health Instruction

Auxiliary Spaces Included:

Administration
Food Preparation Facilities
Guidance and Counseling
Nurse/Health Clinic
Media Center/Library
Multipurpose Room
Music
Staff Personnel Spaces

$$
0 . . .
$$

Service and Structure

Spaces Included:
Custodial
General Storage
Restrooms

SPACE GUIDELINES FOR ELEMENTARY SCHOOLS (K-6)

| Activity | Student Capacity | Square <br> Feet Per <br> Student | Acceptable <br> Minimum <br> Total Net <br> Area In <br> Square Feet | Recommended <br> Total Net Area <br> In Square Feet |
| :---: | :---: | :---: | :---: | :---: |
| INSTRUCTIONAL SPACES |  |  |  |  |
| KINDERGARTEN |  |  |  |  |
| General Instructional Area | 20 | 36-40 | 720 | 800 |
| Material Storage |  |  | 95 | 105 |
| Student Storage |  |  | 25 | 35 |
| Student Toilet (1) |  |  | 25 | 60 |
| Kitchenette |  |  | - | 60 |
| Outside Play Area | 20 | 100-125 | 2000 | 2500 |
| Outside Storage |  |  | 45 | 55 |
| GENERAL CLASSROOMS AND |  |  |  |  |
| LABORATORIES - GRADES 1-6 |  |  |  |  |
| General Classrooms | 20 | 28-36 | 560 | 720 |
| Material Storage |  |  | 70 | 80 |
| Student Storage |  |  | 25 | 35 |
| ARTS AND CRAFTS |  |  |  |  |
| Instructiona/Laboratory Area | 20 | 36-40 | 720 | 800 |
| Material Storage |  |  | 100 | 150 |
| Project Storage |  |  | 100 | 150 |
| Kiln |  |  | 55 | 60 |
| Project Display Area |  |  | . | 20 |
| SPECIAL EDUCATION (2) |  |  |  |  |
| Educable Mentally Handicapped | 12 | 45-65 | 720 | 780 |
| Material Storage |  |  | 70 | 75 |
| Outside Storage |  |  | 45 | 50 |
| Student Storage |  |  | 25 | 30 |
| Trainable Mentally Handicapped | 10 | 45-75 | 700 | 750 |
| Material Storage |  |  | 70 | 75 |
| Outside Storage |  |  | 45 | 50 |
| Student Storage |  |  | 25 | 30 |
| Student Toilet |  |  | 40 | 45 |
| Severe and Profoundly Handicapped | 5 | 90-150 | 625 | 750 |
| Material Storage |  |  | 70 | 75 |
| Student Storage |  |  | 25 | 30 |
| Student Toilet and Bath |  |  | 90 | 100 |
| Physically Handicapped (Classroom) | ) 8 | 80-100 | 640 | 800 |
| Material Storage |  |  | 70 | 75 |
| Outside Storage |  |  | 45 | 50 |
| Student Storage |  |  | 25 | 30 |
| Student Toilet and Bath |  |  | 90 | 100 |
| Emotionally Disturbed | 8 | 80-90 | 640 | 800 |
| Student Storage |  |  | 25 | 30 |

(1) See Page 25 for toilet fixture recommendations.
(2) Consult State Department of Education specialists for planning guide and/or assistance.

MEALS SERVED PER DAY
(K-6)
AUXILIARY SPACES
FOOD PREPARATION, SERVICE AND DINING FACILITIES (1)

| Kitchen | 200 | 400 | 600 | 1000 | 1400 | 1600 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Receiving | 80 sq. ft. | $100 \mathrm{sq} . \mathrm{ft}$. | 120 sq. ft. | 160 sq. ft. | 180 sq. ft. | 200 sq. ft. |
| Dry Food Storage | 80 sq. ft. | $100 \mathrm{sq} . \mathrm{ft}$. | 280 sq. ft. | 480 sq. ft. | 640 sq. ft. | 840 sq. ft. |
| Non-Food Storage | 15 sq. ft. | 15 sq. ft. | $15 \mathrm{sq} . \mathrm{ft}$. | $15 \mathrm{sq} . \mathrm{ft}$. | 15 sq. ft. | $15 \mathrm{sq} . \mathrm{ft}$. |
| Preparation Area | 475 sq. ft. | 660 sq. ft. | 840 sq. ft. | 960 sq. ft. | 1320 sq. ft. | 1400 sq. ft |
| Refrigeration Storage | 160 sq. ft. | 160 sq. ft. | 160 sq. ft. | 180 sq. ft. | 320 sq. ft. | 320 sq. ft |
| Dishwashing Area | 120 sq. ft. | 120 sq. ft. | 120 sq. ft. | 240 sq. ft. | 240 sq. ft. | 240 sq. ft |
| Office/Locker Area/Toilet | 40 sq. ft. | 80 sq. ft. | 120 sq. ft. | 180 sq. ft. | 480 sq. ft. | 320 sq. f |
| Serving Area | 300 sq. ft. | 450 sq. ft. | 600 sq. ft. | 600 sq. ft. | 900 sq. ft. | 1200 sq. |
| Dining Area | 2400 sq. ft. | 2400 sq. ft. | 2400 sq. ft. | 3995 sq. ft. | 5590 sq. ft. | 7200 sq. ft |

MEALS SERVED PER DAY

## FOOD PREPARATION, SERVICE AND

 DINING FACILITIES

| Activity | Student Capacity | Square <br> Feet Per <br> Student | Acceptable <br> Minimum <br> Total Net <br> Area In <br> Square Feet | Recommended <br> Total Net Area <br> In Square Feet |
| :---: | :---: | :---: | :---: | :---: |
| ADMINISTRATION |  |  |  |  |
| Principal's Office |  |  | 125 | 150 |
| Reception/Secretarial Area |  |  | 200 | 250 |
| Office Workroom and Storage |  |  | 200 | 300 |
| Conference Room |  |  | 200 | 300 |
| Records/Vault |  |  | 60 | 75 |
| Itinerant Office |  |  | 100 | 120 |
| Book/General Storage |  |  | 125 | 200 |
| STAFF PERSONNEL SPACE |  |  |  |  |
| Teacher's Workroom and Storage |  |  | 150 | 200 |
| Kitchenette |  |  | - | 60 |
| Staff Toilet - Individual (Each) (2) |  |  | 45 | 65 |
| GUIDANCE AND COUNSELING |  |  |  |  |
| Counselor's Office |  |  | 100 | 200 |
| NURSE/HEALTH CLINIC |  |  |  |  |
| Office, Examing Room, Cot Area |  |  | 230 | 260 |
| Storage |  |  |  |  |
| Toilet (2) |  |  | 50 | 60 |

(1) Consult State Department of Education specialists for planning guide and/or assistance.
(2) See Page 25 for toilet fixture recommendations.
(K-6)

(1) Consult State Department of Education specialists for planning guide and/or assistance.
(2) See Page 25 for toilet fixture recommendations.


| Activity | Student Capacity | Square <br> Feet Per <br> Student | Acceptable Minimum Total Net Area In Square Feet | Recommended <br> Total Net Area <br> In Square Feet |
| :---: | :---: | :---: | :---: | :---: |
| STORAGE |  |  |  |  |
| General Storage |  |  |  | Needs Vary |
| Exterior Storage |  |  |  | Needs Vary |
| Grounds Maintenance |  |  | 75 | 125 |
| Equipment |  |  |  |  |
| Physical Education Equipment Storage |  |  | 100 | 150 |
| Flammable Material Storage |  |  |  | Needs Vary |
| MECHANICAL ROOMS, CORRIDORS AND WALL AREA |  |  |  |  |
| Should not utilize more than $20 \%$ of the gross square foot area of the building. |  |  |  |  |

SPACE GUIDELINES FOR MIDDLE/JUNIOR HIGH SCHOOLS (7.8, 7-8-9)

| Activity $\quad$Student <br> Capacity | Square <br> Feet Per <br> Student | Acceptable <br> Minimum <br> Total Net <br> Area In <br> Square Feet | Recommended <br> Total Net Area <br> In Square Feet |
| :---: | :---: | :---: | :---: |
| INSTRUCTIONAL SPACES |  |  |  |
| GENERAL CLASSROOMS AND  <br> LABORATORIES  <br> General Classrooms <br> Material Storage 25 | 28-36 | $\begin{array}{r} 700 \\ 70 \\ \hline \end{array}$ | $\begin{array}{r} 900 \\ 80 \\ \hline \end{array}$ |
| ARTS AND CRAFTS   <br> Instructional/Laboratory Area 28  <br> Material Storage   <br> Project Storage   <br> Kiln   <br> Project Display Area   <br>    | 38-42 | $\begin{array}{r} 1100 \\ 140 \\ 140 \\ 55 \end{array}$ | $\begin{array}{r} 1200 \\ 150 \\ 150 \\ 60 \\ 20 \\ \hline \end{array}$ |
| BUSINESS AND COMMERCIAL  <br> Business Education <br> Material Storage $28-30$ | 35-40 | $\begin{array}{r} 1000 \\ 50 \\ \hline \end{array}$ | $\begin{array}{r} 1200 \\ 75 \\ \hline \end{array}$ |
| CONSUMER HOME ECONOMICS <br> Homemaking (Based on a one-teacher <br> introductory unit) <br> Instructional Area <br> Material Storage <br> Home Economics (Comprehensive) Instructional Area <br> (Includes one or more design features such as fitting area, laundry, kitchen, material storage, or textile work area) | $\begin{aligned} & 48-54 \\ & 64-85 \end{aligned}$ | $\begin{array}{r} 1350 \\ 120 \\ 2400 \end{array}$ | $\begin{array}{r} 1500 \\ 150 \\ 3200 \end{array}$ |
| PHYSICAL SCIENCE <br> Science Demonstration Classroom 30 <br> Material Storage | 30-33 | $\begin{aligned} & 900 \\ & 100 \\ & \hline \end{aligned}$ | $\begin{array}{r} 1000 \\ 140 \\ \hline \end{array}$ |
| SPECIAL EDUCATION (1)  <br> Educable Mentally Handicapped <br> Material Storage 12 <br> Trainable Mentally Handicapped 10 <br> $\quad$ Material Storage  <br> $\quad$ Student Toilet (2)  <br> Severely/Profoundly 5 <br> Handicapped  <br> $\quad$ Material Storage  <br> Student Storage <br> Student Toilet and Bath (2)  <br>   | $\begin{aligned} & 45-65 \\ & 45-75 \\ & 90-150 \end{aligned}$ | $\begin{array}{r} 720 \\ 70 \\ 700 \\ 70 \\ 40 \\ 625 \\ \\ 70 \\ 25 \\ 90 \\ \hline \end{array}$ | $\begin{array}{r} 780 \\ 75 \\ 750 \\ 75 \\ 45 \\ 750 \\ \\ 75 \\ 30 \\ 100 \\ \hline \end{array}$ |

(1) Consult State Department of Education specialists for planning guide and/or assistance.
(2) See Page 25 for toilet fixture recommendations.

| Activity | Student <br> Capacity | Square <br> Feet Per <br> Student | Acceptable <br> Minimum <br> Total Net <br> Area In <br> Square Feet | Recommended <br> Total Net Area <br> In Square Feet |
| :---: | :---: | :---: | :---: | :---: |
| SPECIAL EDUCATION CONTINUED |  |  |  |  |
| Physically Handicapped (Classroom) | m) 8 | 80-100 | 640 | 800 |
| Material Storage |  |  | 70 | 75 |
| Student Toilet and Bath (1) |  |  | 90 | 100 |
| Emotionally Disturbed | 8 | 80-90 | 640 | 800 |
| Material Storage |  |  | 70 | 75 |
| Student Storage |  |  | 25 | 30 |
| SPECIALIZED SPACES |  |  |  |  |
| Green House - Attached |  |  |  | Needs Vary |
| VOCATIONAL-TECHNICAL |  |  |  |  |
| Industrial Arts - General Shop |  |  |  |  |
| Work Area | 25 | 40-48 | 1000 | 1200 |
| Planning/Classroom |  |  | 700 | 750 |
| Material Storage |  |  | 200 | 270 |
| Project Storage |  |  | 190 | 210 |
| Finishing Area |  |  | 190 | 210 |
| Toilet/Lavatory (1) |  |  | 100 | 150 |
| AUXILIARY SPACES |  |  |  |  |
| ADMINISTRATION |  |  |  |  |
| Principal's Office |  |  | 125 | 150 |
| Other Administrative Personnel (Per office) |  |  | 100 | 120 |
| Office Workroom and Storage |  |  | 250 | 350 |
| Conference Room |  |  | 300 | 400 |
| Records/Vault |  |  | 60 | 75 |
| Itinerant Office |  |  | 100 | 120 |
| Book/General Storage |  |  | 125 | 200 |
| STAFF PERSONNEL SPACE |  |  |  |  |
| Teacher's Workroom and Storage |  |  | 200 | 300 |
| Kitchenette |  |  | - | 60 |
| Staff toilet - Individual (Each) (1) |  |  | 45 | 65 |
| GUIDANCE AND COUNSELING |  |  |  |  |
| Counselor's Office (Each) |  |  | 100 | 120 |

(1) See Page 25 for toilet fixture recommendations.

| Activity $\quad$Student <br> Capacity | Square <br> Feet Per <br> Student | Acceptable <br> Minimum <br> Total Net <br> Area In <br> Square Feet | Recommended <br> Total Net Area In Square Feet |
| :---: | :---: | :---: | :---: |
| AUDITORIUM (1) (2) |  |  |  |
| General Seating 600 | 7 | 4200 | - |
| Gallery and Lobby Area |  | 1000 | - |
| Standard Proscenium |  |  |  |
| Stage and Off-Stage Area |  | 3000 | - |
| General Storage |  | 150 | - |
| Storage/Properties Storage |  | 600 | - |
| Stage Dressing Rooms (Each) |  | 200 | - |
| Public Toilets (Each) (3) |  | 150 | - |
| Lecture Area |  |  |  |
| (Two-Room Unit 1250 sq.ft. each) |  | 2500 | - |
| Lecture Area (One-Room Unit) |  | 2500 | - |

MEALS SERVED PER DAY

| FOOD PREPARATION, SERVICE AND |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DINING FACILITIES (1) | 200 | 400 | 600 | 1000 | 1400 | 1600 |
| Kitchen |  |  |  |  |  |  |
| Receiving | 80 sq . ft. | $100 \mathrm{sq} . \mathrm{ft}$. | 120 sq. ft. | 160 sq. ft. | 180 sq. ft. | 200 sq. ft. |
| Dry Food Storage | 80 sq. ft. | 180 sq. ft. | 280 sq. ft. | 480 sq. ft. | 640 sq. ft. | 840 sq. ft. |
| Nonfood Storage | 15 sq. ft. | 15 sq. ft. | $15 \mathrm{sq} . \mathrm{ft}$. | $15 \mathrm{sq} . \mathrm{ft}$. | $15 \mathrm{sq} . \mathrm{ft}$. | 15 sq. ft. |
| Preparation Area | 475 sq. ft. | 600 sq. ft. | 840 sq. ft. | 960 sq. ft. | 1320 sq. ft. | $1400 \mathrm{sq} . \mathrm{ft}$. |
| Refrigerated Storage | 160 sq. ft. | 160 sq. ft. | $160 \mathrm{sq} . \mathrm{ft}$. | 180 sq. ft. | 320 sq. ft. | $320 \mathrm{sq} . \mathrm{ft}$. |
| Dishwashing Area | 120 sq. ft. | 120 sq. ft. | 120 sq. ft. | 240 sq. ft. | 240 sq. ft. | 240 sq. ft. |
| Toilet | 40 sq. ft. | 80 sq. ft. | 120 sq. ft. | 180 sq. ft. | 240 sq. ft. | 320 sq. ft. |
| Serving Area | 300 sq. ft. | 450 sq. ft. | 600 sq. ft. | 600 sq. ft. | 900 sq. ft. | $1200 \mathrm{sq} . \mathrm{ft}$. |
| Dining Area | 2400 sq. ft. | 2400 sq. ft. | 2400 sq. ft. | 3995 sq. ft. | 5590 sq. ft. | 7200 sq. ft. |

MEALS SERVED PER DAY

(1) Consult State Department of Education specialists for planning guide and/or assistance.
(2) Multi-use of this space is encouraged.
(3) See appropriate building code for toilet fixture recommendations.
(7-8, 7-8-9)

| Activity | Student Capacity | Square <br> Feet Per <br> Student | Acceptable <br> Minimum <br> Total Net <br> Area In <br> Square Feet | Recommended <br> Total Net Area In Square Feet |
| :---: | :---: | :---: | :---: | :---: |
| NURSE/HEALTH CLINIC |  |  |  |  |
| Office/Examining Room/ |  |  |  |  |
| Cot Area |  |  | 230 | 260 |
| Storage |  |  | 70 | 80 |
| Toilet |  |  | 50 | 60 |
| MEDIA CENTER/ |  |  |  |  |
| LIBRARY (1) | 10\% of |  |  |  |
|  | Enrollment or a |  |  |  |
| Reading/Browsing | Maximum of 100 Students | 40-45 | 1400 | - |
| Office/Workroom |  |  | 150 | 200 |
| AV Storage |  |  | 300 | 400 |
| MULTIPURPOSE (1) |  |  |  |  |
| Play/Dining | $100 \%$ of Enrollment | 12-18 | 2400 | - |
| Stage |  |  | - | 300 |
| Equipment Storage |  |  | 100 | 250 |
| Chair, Table Storage |  |  | 100 | 250 |
| Kitchen and Service |  |  | See Page 9 |  |
| MUSIC |  |  |  |  |
| Vocal Classroom |  |  |  |  |
| (14' to $16^{\prime}$ Ceiling Height) | 30 | 30-33 | 900 | 1000 |
| Practice Room |  |  | 35 | 40 |
| Music Library |  |  | 80 | 90 |
| Office/Reference/Storage |  |  | 100 | 120 |
| Material Storage |  |  | 120 | 130 |
| Band/Instructiona/Practice |  |  | 150 |  |
| (14' to 16' Ceiling Height) | ) 30 | 30-37 | 1000 | 1100 |
| Ensemble Storage |  |  | 250 | 300 |
| Practice Room (Each) |  |  | 35 | 40 |
| Office/Reference/Storage |  |  | 200 | 250 |
| Material Storage |  |  | 120 | 130 |
| Instrument Storage (Secured) |  |  | 200 | 400 |
| Uniform Storage |  |  | 100 | - |
| PHYSICAL EDUCATION |  |  |  |  |
| Gymnasium (Main) (20' Ceiling Height Min.) |  |  |  |  |
| Basketball Court ( $50^{\prime} \times 84^{\prime}$ ) plus8 ' safety lanes |  |  | 6600 | - |
|  |  |  |  |  |
| Spectator Seating | 500 | 4 | 2000 | - |
| Lobby (Based on seating for approx. 500) |  |  | 500 | - |

(1) Consult State Department of Education specialists for planning guide and/or assistance.
(7-8, 7-8-9)
$\left.\begin{array}{|cccc|}\hline & & \begin{array}{c}\text { Acceptable } \\ \text { Minimum } \\ \text { Total Net } \\ \text { Area In } \\ \text { Square Feet }\end{array} & \begin{array}{c}\text { Square } \\ \text { Activity }\end{array} \\ \begin{array}{c}\text { Student } \\ \text { Capacity }\end{array} & \begin{array}{c}\text { Recommended } \\ \text { Total Net Area } \\ \text { In Square Feet }\end{array} \\ \text { Student }\end{array}\right)$
(1) See Page 25 for toilet fixture recommendations.

| Activity | Student Capacity | Square <br> Feet Per <br> Student | Acceptable <br> Minimum <br> Total Net <br> Area In <br> Square Feet | Recommended <br> Total Net Area <br> In Square Feet |
| :---: | :---: | :---: | :---: | :---: |
| SERVICE AND STRUCTURE SPACES |  |  |  |  |
| Custodial (Continued) |  |  |  |  |
| Custodial Office |  |  |  | Needs Vary |
| Locker Room Toilet (1) | One locker employee |  | 45 | $\begin{gathered} 65 \\ \text { Needs Vary } \end{gathered}$ |
| Workshop |  |  | 60 | 100 |
| Custodial Supplies Receiving and |  |  |  |  |
| Shipping Area |  |  |  | Needs Vary |
| Storage |  |  |  |  |
| General Storage |  |  |  | Needs Vary |
| External Storage |  |  |  |  |
| Grounds Maintenance |  |  | 75 | 125 |
| Physical Education |  |  | 100 | 150 |
| Equipment Storage |  |  |  |  |
| Flammable Material Storage |  |  |  | Needs Vary |
| Mechanical Rooms, Corridors and Wall Area |  |  |  |  |
| Should not utilize more than |  |  |  |  |
| $20 \%$ of the gross square foot |  |  |  |  |
| FAMILY \& CONSUMER SCIENCE EDUCATION |  |  |  |  |
| Family and Consumer Sciences (Based on a one-teacher Introductory unit) |  |  |  |  |
| Instructional Area | 20 | 48-54 | 960 | 1080 |
| Computer Area | - | - |  |  |
| Material Storage |  |  | 120 | 150 |
| Family and Consumer Sciences (Comprehensive) |  |  |  |  |
| Instructional Area | 20 | 64-85 | 1280 | 1700 |
| (Includes one or more design |  |  |  |  |
| features such as fitting area, laundry, food laboratory, teaching |  |  |  |  |
| resource storage, locked storage closet, |  |  |  |  |
| $\sim$ or textile work area) |  |  |  |  |
| Instructor's Office |  |  | 100 |  |
| Telephone |  |  |  |  |

(1) See Page 25 for toilet fixture recommendations.

SPACE GUIDELINES FOR HIGH SCHOOLS (9-12)

| Activity $\quad$Student <br> Capacity | Square <br> Feet Per <br> Student | Acceptable <br> Minimum <br> Total Net <br> Area In <br> Square Feet | Recommended <br> Total Net Area <br> In Square Feet |
| :---: | :---: | :---: | :---: |
| INSTRUCTIONAL SPACES <br> GENERAL CLASSROOMS AND <br> LABORATORIES <br> General Classrooms <br> Material Storage | 28-30 | $\begin{array}{r} 700 \\ 60 \end{array}$ | $\begin{array}{r} 750 \\ 70 \end{array}$ |
| ARTS AND CRAFTS <br> Instructional/Laboratory Area <br> Material Storage <br> Camera Processing <br> Darkroom <br> Tool Storage | 180-200 | $\begin{array}{r} 3600 \\ 500 \\ 150 \\ 100 \\ 200 \\ 150 \\ \hline \end{array}$ | $\begin{array}{r} \hline 4000 \\ 600 \\ 250 \\ 110 \\ 250 \\ 175 \\ \hline \end{array}$ |
| BUSINESS AND COMMERCIAL  <br> Typing/Word Processing 25 <br> Teacher's Office  <br> Material Storage  <br> Advance Shorthand/Typing 25 <br> Teacher's Office  <br> Material Storage  <br> Office Procedures/Business 25 <br> Teacher's Office  <br> Material Storage  <br> Bookkeeping/General Business 25 <br> Teacher's Office  <br> Material Storage  <br> Data Processing Lab 15 <br> Teacher's Office  <br> Material Storage  | $\begin{aligned} & 40-45 \\ & 40-50 \\ & 50-60 \\ & 35-40 \\ & 60-63 \end{aligned}$ | $\begin{array}{r} 1000 \\ 50 \\ 60 \\ 1000 \\ 50 \\ 60 \\ 1250 \\ 50 \\ 60 \\ 875 \\ 50 \\ 60 \\ 900 \\ 50 \\ 60 \\ \hline \end{array}$ | $\begin{array}{r} 1125 \\ 50 \\ 60 \\ 1250 \\ 50 \\ 60 \\ 1500 \\ 50 \\ 60 \\ 1000 \\ 50 \\ 60 \\ 945 \\ 50 \\ 60 \\ \hline \end{array}$ |
| CONSUMER HOME ECONOMICS <br> One-Teacher Unit (Comprehensive) <br> (Includes one or more design features such as fitting area, laundry, kitchen, material storage, project storage, or textile work area) <br> Clothing Lab <br> Fitting <br> Material Storage <br> Project Storage <br> Individual Foods Lab <br> Laundry (Used by all) <br> Material Storage <br> Living Room/Dining Room (Optional) | $\begin{aligned} & 64-85 \\ & 35-40 \\ & 40-45 \end{aligned}$ | $\begin{array}{r} 1800 \\ \\ 1100 \\ 45 \\ 120 \\ 95 \\ 1200 \\ 45 \\ 70 \end{array}$ | $\begin{array}{r} 2400 \\ \\ 1200 \\ 55 \\ 130 \\ 105 \\ 1350 \\ 50 \\ 80 \end{array}$ |


| Activity | Student Capacity | Square <br> Feet Per <br> Student | Acceptable <br> Minimum <br> Total Net <br> Area In <br> Square Feet | Recommended <br> Total Net Area <br> In Square Feet |
| :---: | :---: | :---: | :---: | :---: |
| DRIVER EDUCATION |  |  |  |  |
| Driver Training Lab-12 Simulators |  |  | 500 | - |
| HEALTH INSTRUCTION |  |  |  |  |
| Lab | 25 | 45-50 | 1125 | 1250 |
| Office |  | 60-70 | 100 | 120 |
| Planning/Classroom |  |  | 700 | 750 |
| Storage |  |  | 300 | 370 |
| Library |  |  | 200 | 270 |
| Individualized Learning Center |  |  | 370 |  |
| Toilet/Lavatory |  |  | 100 | 150 |
| INSTRUCTIONAL VOCATIONAL Distributive Education |  |  |  |  |
|  |  |  |  |  |
| Lab/Classroom | 25 | 60-70 | 1500 | 1750 |
| Material Storage |  |  | 300 | 370 |
| PHYSICAL SCIENCE |  |  |  |  |
| Biology Classroom/Laboratory | 28 | 30-34 | 840 | 1000 |
| Chemistry Classroom/Laboratory | 28 | 45-52 | 1260 | 1460 |
| Physics Classroom/Laboratory | 28 | 45-52 | 1260 | 1460 |
| PHYSICAL SCIENCE |  |  |  |  |
| ALTERNATE METHOD |  |  |  |  |
| Academic Instructional Area | 28 | 28.30 | 785 | 840 |
| Biology Laboratory | 28 | 30-40 | 840 | 1120 |
| Chemistry Laboratory | 28 | 33-40 | 925 | 1120 |
| Physics Laboratory | 28 | 33-40 | 925 | 1120 |
| Individual Project Area |  |  | 105 | 105 |
| Darkroom (Include as required) |  |  | 75 | 100 |
| Prep/Storage Area |  |  |  |  |
| (Includes office/prep for two instructional areas, storage, etc.) |  |  | 500 | 600 |
| SPECIAL EDUCATION (1) |  |  |  |  |
| Educable Mentally Handicapped | 12 | 45-65 | 720 | 780 |
| Material Storage |  |  | 70 | 75 |
| Trainable Mentally Handicapped | 10 | 45-75 | 700 | 750 |
| Material Storage |  |  | 70 | 75 |
| Student Toilet |  |  | 40 | 45 |
| Severely and Profoundly Handicapped | 5 | 90-150 | 625 | 750 |
| Material Storage |  |  | 70 | 75 |
| Student Storage |  |  | 25 | 30 |
| Student Toilet and Bath |  |  | 640 | 800 |
| Material Storage |  |  | 70 | 75 |
| Student Toilet and Bath |  |  | 90 | 100 |
| Emotionally Disturbed | 8 | 80-90 | 640 | 800 |
| Material Storage |  |  | 70 | 75 |
| Student Storage |  |  | 25 | 30 |

(1) Consult State Department of Education specialists for planning guide and/or assistance.


| Activity | Student <br> Capacity | Square <br> Feet Per <br> Student | Acceptable <br> Minimum <br> Total Net <br> Area In <br> Square Feet | Recommended <br> Total Net Area In Square Feet |
| :---: | :---: | :---: | :---: | :---: |
| VOCATIONAL-TECHNICAL (Cont.) |  |  |  |  |
| Electricity/Electronics | 20 | 175-200 | 3500 | 4000 |
| Related Instruction Classroom |  |  | 500 | 600 |
| Material Storage |  |  | 250 | 300 |
| Project Storage |  |  | 120 | 160 |
| Tool Storage |  |  | 120 | 120 |
| Printing/Graphics Arts | 20 | 160-180 | 3200 | 3600 |
| Related Instruction Classroom |  |  | 500 | 600 |
| Material Storage |  |  | 150 | 250 |
| Tool Storage |  |  | 100 | 150 |
| Welding | 20 | 240-260 | 4800 | 5200 |
| Related Instruction Classroom |  |  | 500 | 600 |
| Material Storage |  |  | 375 | 500 |
| Tool Storage |  |  | 200 | 300 |
| Plumbing/Heating/Sheet Metal | 20 | 175-200 | 3500 | 4000 |
| Related Instruction Classroom |  |  | 500 | 600 |
| Material Storage |  |  | 350 | 400 |
| Tool Storage |  |  | 200 | 300 |
| Equipment Storage |  |  | 300 | 330 |
| Radio/TV Repair | 20 | 175-200 | 3500 | 4000 |
| Related Instruction Classroom |  |  | 500 | 600 |
| Material Storage |  |  | 250 | 300 |
| Project Storage |  |  | 120 | 160 |
| Tool Storage |  |  | 120 | 120 |
| Refrigeration/AC | 20 | 240-250 | 4800 | 5000 |
| Related Instruction Classroom |  |  | 500 | 600 |
| Material Storage |  |  | 215 | 235 |
| Tool Storage |  |  | 120 | 120 |
| Project Storage |  |  | 120 | 160 |
| Industrial Arts/Technology Education |  |  |  |  |
| Work Area | 25 | 45-50 | 1125 | 1250 |
| Planning/Classroom |  |  | 700 | 750 |
| Material Storage |  |  | 200 | 270 |
| Project Storage |  |  | 190 | 210 |
| Finish Area |  |  | 190 | 210 |
| Toile/Lavatory |  |  | 100 | 150 |
| Business Education |  |  |  |  |
| Technology Lab | 20-25 | 70-75 | 1400 | 1875 |
| Office |  |  | 100 | 120 |
| Classroom/Conference |  |  | 700 | 750 |
| Material Storage |  |  | 100 | 120 |
| Marketing Education |  |  |  |  |
| Lab/Classroom | 25 | 60-70 | 1500 | 1750 |
| Material Storage |  |  | 120 | 130 |
| Office |  |  | 100 | 120 |


| Activity | Student Capacity | Square <br> Feet Per <br> Student | Acceptable Minimum Total Net Area In Square Feet | Recommended <br> Total Net Area <br> In Square Feet |
| :---: | :---: | :---: | :---: | :---: |
| VOCATIONAL-TECHNICAL (Cont.) |  |  |  |  |
| Communications | 20 | 140-160 | 2800 | 3240 |
| Related Instruction Classroom |  |  | 500 | 600 |
| Material Storage |  |  | 200 | 300 |
| Tool Storage |  |  | 175 | 200 |
| Computer Repair/Networking | 20 | 140-160 | 2800 | 3200 |
| Related Instruction Classroom |  |  | 500 | 600 |
| Material Storage |  |  | 350 | 400 |
| Project Storage |  |  | 350 | 400 |
| Tool Storage |  |  | 175 | 225 |
| Mechanical | 20 | 175-200 | 3500 | 4000 |
| Related Instruction Classroom |  |  | 500 | 600 |
| Material Storage |  |  | 350 | 400 |
| Tool Storage |  |  | 200 | 300 |
| Metals | 20 | 175-200 | 3500 | 4000 |
| Related Instruction Classroom |  |  | 500 | 600 |
| Material Storage |  |  | 350 | 400 |
| Tool Storage |  |  | 200 | 300 |
| Cabinetmaking | 20 | 240-250 | 4800 | 5000 |
| Related Instruction Classroom |  |  | 500 | 600 |
| Material Storage |  |  | 375 | 500 |
| Tool Storage |  |  | 175 | 200 |
| Flammable Storage |  |  | 75 | 90 |
| Carpentry | 20 | 240-250 | 4800 | 5000 |
| Related Instruction Classroom |  |  | 500 | 600 |
| Material Storage |  |  | 500 | 600 |
| Tool Storage |  |  | 175 | 200 |
| Flammable Storage |  |  | 75 | 90 |
| Cosmetology | 20 | 180-200 | 3600 | 4000 |
| Related Instruction Classroom |  |  | 500 | 600 |
| Material Storage |  |  | 300 | 350 |
| Tool Storage |  |  | 175 | 200 |
| Flammable Storage |  |  | 75 | 90 |
| Electrical Trades | 20 | 240-250 | 4800 | 5000 |
| Related Instruction Classroom |  |  | 500 | 600 |
| Material Storage |  |  | 215 | 235 |
| Tool Storage |  |  | 120 | 120 |
| Project Storage |  |  | 120 | 160 |
| ICE Individualized Co -op Ed | 20 | 30 | 600 | 1200 |
| Related Instruction Classroom |  |  | 600 | 600 |
| Computer Laboratory |  |  | 600 | 600 |
| Storage |  |  | 100 | 100 |
| Masonry | 20 | 240-250 | 4800 | 5000 |
| Related Instruction Classroom |  |  | 500 | 600 |
| Material Storage |  |  | 250 | 300 |
| Tool Storage |  |  | 200 | 250 |


| Activity | Student Capacity | Square <br> Feet Per <br> Student | Acceptable <br> Minimum <br> Total Net <br> Area In <br> Square Feet | Recommended <br> Total Net Area <br> In Square Feet |
| :---: | :---: | :---: | :---: | :---: |
| VOCATIONAL-TECHNICAL (Cont.) <br> Power Products <br> Related Instruction Classroom <br> Material Storage <br> Tool Storage <br> Project Storage | 20 | 180-200 | $\begin{array}{r} 3600 \\ 500 \\ 350 \\ 150 \\ 200 \\ \hline \end{array}$ | $\begin{array}{r} 4000 \\ 600 \\ 500 \\ 200 \\ 250 \\ \hline \end{array}$ |
| AUXILIARY SPACES |  |  |  |  |
| ADMINISTRATION <br> Principal's Office <br> Other Administrative Personnel (per office) <br> Reception/Secretarial Area Office Workroom and Storage Conference Room Records/Vault Attendance Office Book/General Storage Itinerant Office (per office) Book/General Storage |  |  | $\begin{array}{r} 140 \\ 100 \\ \\ 200 \\ 250 \\ 300 \\ 60 \\ 120 \\ 125 \\ 100 \\ 125 \end{array}$ | $\begin{array}{r} 150 \\ 120 \\ 250 \\ 350 \\ 400 \\ 75 \\ 150 \\ 200 \\ 120 \\ 20 \end{array}$ |
| STAFF PERSONNEL SPACE <br> Teacher's Workroom and Storage <br> Faculty Lounge <br> Kitchenette <br> Staff Toilet - Individual (Each) (1) |  |  | $\begin{array}{r} 200 \\ 500 \\ - \\ 45 \\ \hline \end{array}$ | $\begin{array}{r} 300 \\ 60 \\ 65 \\ \hline \end{array}$ |
| GUIDANCE AND COUNSELING Counselor's Office (Each) |  |  | 120 | 150 |
| AUDITORIUM (2)(3) <br> General Seating <br> Gallery and Lobby Area <br> Standard Proscenium Stage and Off-Stage area <br> General Storage <br> Storage/Properties Storage <br> Scenery Storage <br> Stage Dressing Rooms (Each) Toilet (Each) (1) <br> Public Toilets (Each) (1) <br> Ticket Office <br> Concession Material Storage <br> Lecture Area <br> (Two-Room Unit 1250 Each) | $600$ <br> Based on seating for approx. 600 | 7 | $\begin{array}{r} 4200 \\ \\ 1000 \\ 3000 \\ 150 \\ 600 \\ 500 \\ 200 \\ 45 \\ 150 \\ 100 \\ 120 \\ 80 \\ 2500 \\ \\ 2500 \\ \hline \end{array}$ | - <br> - <br> - <br> - <br> - <br> - <br> - <br> - <br> - <br> - <br> - <br> - |

(1) See Page 25 for toilet fixture recommendations.
(2) Consult State Department of Education specialists for planning guide and/or assistance.
(3) Multi-use of this space is encouraged.

(1) Consult State Department of Education specialists for planning guide and/or assistance.

| Activity $\quad$Student <br> Capacity | Square <br> Feet Per <br> Student | Acceptable <br> Minimum <br> Total Net <br> Area In <br> Square Feet | Recommended <br> Total Net Area <br> In Square Feet |
| :---: | :---: | :---: | :---: |
| MUSIC (1) |  |  |  |
| All-Purpose (Small Schools) 54 | 22-24 | 1200 | 1600 |
| Practice Room (Each) |  | 35 | 45 |
| Music Library (2) |  | 80 | 90 |
| Office/Reference/Storage |  | 100 | 120 |
| Material Storage |  | 120 | 130 |
| Instrument Storage (Secured) |  | 200 | 400 |
| Uniform Storage |  | 100 | - |
| Vocal Classroom (14' to $16^{\prime}$ Ceiling Height) |  |  |  |
| Small $\quad 50-70$ | 14-16 | 700 | 1120 |
| Large $\quad 60-80$ | 16-18 | 960 | 1440 |
| Practice Room (Each) |  | 35 | 40 |
| Music Library |  | 150 | - |
| Office/Reference/Storage |  | 100 | 120 |
| Material Storage |  | 120 | 130 |
| Robe Storage |  | 100 | - |
| Instrumental (14' to 16 ' Ceiling Height) |  |  |  |
| Small 60-70 | 22-24 | 1320 | 1680 |
| Large $\quad 70-90$ | 22-24 | 1540 | 2160 |
| Practice Room (Each) |  |  |  |
| Band/Instrumental |  | 48 | - |
| Piano/Guitar |  | 80 | - |
| Ensemble Rehearsal |  | 120 | - |
| Instrument Storage (Secured) |  |  |  |
| 60 Members or less |  | 250 | 300 |
| 60 to 100 Members |  | 450 | - |
|  |  | 450 plus 13 sq. ft./ |  |
| Over 100 Members |  | students over 100 |  |
| Instrument Repair |  | 75 | 100 |
| Music Library (2) |  | 150 | - |
| Director's Office |  | 100 | 120 |
| Material Storage |  | 120 | 130 |
| Uniform Storage |  | 100 | - |

(1) Consult State Department of Education specialists for planning guide and/or assistance.
(2) Increase if combined with Director's Office.

(1) See Page 25 for toilet fixture recommendations.

(1) See Page 25 for toilet fixture recommendations.

## SITE DEVELOPMENT GUIDELINES

## Oklahoma School Site Size Recommendations

For Elementary Schools K-6: A minimum of ten acres, plus one additional acre for each 100 students of projected ultimate maximum enrollment.

For Middle School/Junior High Schools 7-8:7-8-9: A minimum of 20 acres, plus one additional acre for each 100 students of projected ultimate maximum enrollment.

High Schools 9-12: A minimum of 30 acres, plus one additional acre for each 100 students of projected ultimate maximum enrollment.

- For school sites in densely populated areas and in other locations where land costs are extremely high, the recommended number of acres may prove to be unrealistic.
- For school sites in open country or sparsely settled areas, acreages may justifiably exceed the recommendations above.
- For school sites immediately adjacent to park and recreation lands, the number of acres that would actually be school owned may be modified. Cooperation with local park authorities and other governmental agencies is encouraged, resulting in joint use of common areas or facilities.


## SITE PLANNING GUIDELINES

## Activity

Acceptable Minimum

## Recommended

WALKS, DRIVES, PARKING
Walks $\quad$ 4' wide 6' wide
Covered Bus Loading $\quad 6^{\prime} \times 35^{\prime} \quad 8^{\prime} \times 40^{\prime}$
GREENHOUSE STRUCTURE (Separate) $\quad 20^{\prime} \times 40^{\prime}$
EXTERIOR STORAGE
Grounds Maintenance Equipment
Physical Education Equipment Storage
75 sq. ft.
125 sq. ft.
100 sq. ft.
150 sq. ft.
HAZARDOUS MATERIALS
Volatile Storage 100 sq. ft. minimum
PLAY SHELTER (An open structure having only a roof and a finished play surface such as asphalt, concrete, synthetic, or other similar material.)

| Activity | Number of Users | Acceptable | Minimum |
| :--- | :--- | :--- | ---: | Recommended

## SITE PLANNING GUIDELINES (Cont.)

## Activity Number of Users Acceptable Minimums Recommended

Middle School/Junior High School:
Senior High School:

| Pool | - | $60^{\prime} \times 75^{\prime}$ |
| :--- | ---: | ---: |
| Deck: End | $12^{\prime}$ | $15^{\prime}$ |
| Deck: Sides | $8^{\prime}$ | $10^{\prime}$ |

OVERALL PLAY ACTIVITY AREA REQUIREMENTS

| PLAY ACTIVITY | ELEMENTARY SCHOOLS | MIDDLE SCHOOLS/ JR. HIGH SCHOOLS | $\begin{aligned} & \hline \text { SENIOR HIGH } \\ & \text { SCHOOLS } \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| Archery | - | $150^{\prime} \times 150^{\prime}$ | $150^{\prime} \times 300^{\prime}$ |
| Badminton | - | $20^{\prime} \times 44^{\prime}$ | $20^{\prime} \times 44^{\prime}$ |
| Baseball | $210^{\prime} \times 210^{\prime}$ | $300{ }^{\prime} \times 300^{\prime}$ | 400' $\times 400^{\prime}$ |
| Basketball | $40^{\prime} \times 60^{\prime}$ | 50' x 84' | $50^{\prime} \times 94^{\prime}$ |
| Dodgeball | $20^{\prime}$ circle | $30^{\prime}$ circle |  |
| Field Hockey | - | $180^{\prime} \times 300^{\prime}$ | $180^{\prime} \times 300^{\prime}$ |
| Football | - | $160^{\prime} \times 360^{\prime}$ | $160^{\prime} \times 360^{\prime}$ |
| Handball, Single-Wall | - | $20^{\prime} \times 40^{\prime}$ | $20^{\prime} \times 40^{\prime}$ |
| Handball, Four-Wall | - | $23^{\prime} \times 4{ }^{\prime}$ | $23^{\prime} \times 46^{\prime}$ |
| Hopscotch | $10^{\prime} \times 20^{\prime}$ | - | $10^{\circ} \times$ |
| Horseshoes | $10^{\prime} \times 40^{\prime}$ | $10^{\prime} \times 50^{\prime}$ | $10^{\prime} \times 50^{\prime}$ |
| Shuffleboard | - | 6' $\times$ 52' | $6{ }^{\prime} \times 52^{\prime}$ |
| Skip Rope | $10^{\prime} \times 20^{\prime}$ | - - | - |
| Soccer | - | 150'-240' x $240^{\prime}-360^{\prime}$ |  |
| Softball | $150{ }^{\prime} \times 150^{\prime}$ | $200^{\prime} \times 200^{\prime}$ | 275' $\times 275$ |
| Tennis Court | - - | $36^{\prime} \times 78{ }^{\prime}$ | $36^{\prime} \times 78^{\prime}$ |
| Tetherball | $20^{\prime}$ circle | 12 circle | $12^{\prime}$ circle |
| Volleyball | $25^{\prime} \times 50^{\prime}$ | $30^{\prime} \times 60^{\prime}$ | $30^{\prime} \times 60^{\prime}$ |

TABLE OF WORKING HEIGHTS
ELEM. SCHOOL MS/JR HIGH SCHOOL HIGH SCHOOL

| Fixture Name Kindergarten | 123 | 456 | 789 | 101112 |
| :---: | :---: | :---: | :---: | :---: |
| Chalkboard/ |  |  |  |  |
| Tackboard (To Bottom) 24" | $26 "$ | 28" | *32" | 36" |
| Coat Hooks 36" | 38" | 46" | 60 " | 60 |
| Water Closet (To Rim) 11" | 13 " | *13" | 13 " | 15 " |
| Urinal, Wall Hung (To Rim) 16" | $16{ }^{\prime \prime}$ | 18" | 20" | 22 " |
| Lavatory (To Rim) 20" | 22 " | $25 "$ | $28 "$ | 30" |
| Case Cabinet Sink and Work Counter (To Rim) |  |  | 32" |  |
| $\begin{array}{ll}\text { Work Counter (To Rim) } & \text { 24" }\end{array}$ | 26" | 28" | 32 " | *35" |
| Drinking Fountain/Water Cooler 24" | 24 " | 28 | 32 |  |
| Paper Towel Dispenser/Electric <br> Hand Dryer (To Bottom) 40* | $46^{\prime \prime}$ | 48" | $54 "$ | 60" |
| Mirrors - $24^{\prime \prime} \times 36^{\prime \prime}$ (To Bottom) 30" | *36" | 42" | 42 32 | 45" |
| Handrails (Nosing to Rail) 30" | $30^{\prime \prime}$ | 30" | 32" | 32" |

NOTES: (*) Use this dimension for areas common to more than one group. Refer to other publications for accessible installation heights and requirements.

TOILET FIXTURE GUIDELINES FOR EDUCATIONAL OCCUPANCIES

| Student Requirements | Number of Fixtures Required |  |  |
| :---: | :---: | :---: | :---: |
|  | Boys | Unisex | Girls |
| ELEMENTARY SCHOOLS K-6 |  |  |  |
| Classroom Toilets |  |  |  |
| Kindergarten (1) |  |  |  |
| Water Closet: |  | 1 |  |
| Lavatory: |  | 1 |  |
| Serving One or Two |  |  |  |
| Instructional Spaces |  |  |  |
| Water Closet: | 1 |  | 1 |
| Lavatory: (2) | 1 |  | 1 |
| Urinal: | 1 |  | - |
| General Facilities |  |  |  |
| Water Closet: | 1 @ 50 pupils |  | 1 @ 50 pupils |
| Lavatory: | 1 @ 50 pupils |  | 1 @ 50 pupils |
| Urinal: | (3) |  |  |
| MIDDLE SCHOOLS/JUNIOR <br> HIGH SCHOOLS 6-7-8, 7-8, <br> 7.8-9; <br> SENIOR HIGH SCHOOLS 9-12 |  |  |  |
| General Facilities |  |  |  |
| Water Closet: | 1 @ 50 pupils |  | 1 @ 30 pupils |
| Lavatory: | 1 @ 50 pupils |  | 1 @ 30 pupils |
| Urinal: | (3) |  |  |


| Staff Requirements | Number of Fixtures Required |  |  |
| :---: | :---: | :---: | :---: |
|  | Men | Unisex | Women |
| ALL GRADE LEVELS |  |  |  |
| Water Closet: | 1 @ 10 faculty |  | 1 @ 7 faculty |
| Lavatory | 1 @ 10 faculty |  | 1 @ faculty |
| UUral: | 1 @ 20 faculty |  |  |
| CUSTODIAL STAFF |  |  |  |
| Water Closet: |  | 1 @ 10 employees |  |
| Lavatory: |  | 1 @ 10 employees |  |

NOTE: If a school has less than 12 grade sections, then one private restroom (designated to serve clinic, faculty, and administrative staff) should be considered as a minimum. If a school has 12 or more grade sections, provide at least one private restroom for the clinic and administrative staff, in addition to those required above for the teaching and/or custodial staff. A gymnasium with bleacher seating would fall under assembly occupancy. Building codes would then require approximately one water closet per 40 females and one water closet per 75 males.
(1) One restroom may serve both boys and girls in a kindergarten or first grade instructional space.
(2) One lavatory located outside restroom is sufficient.
(3) One-half of water closet requirement can be urinals.

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