

Definition: Educational Specifications

The Texas Education Agency requires all school districts to create and review a written educational program that guides the design process of new proposed facilities or major renovations.

Educational specifications provide the link between learning and the design of educational facilities. They outline essential educational concepts and detailed facility needs, current and future educational delivery, and the impact of technology on learning.

Educational specifications should support the overall educational goals of the district, yet be nimble enough to allow for the effective and efficient design of school facilities.

The educational specifications provide specific facility needs to complement the district's educational delivery model. These will also provide consistency among similar project types from campus to campus.

This document is a living document, in need of periodic update on a 5-year basis.

TEA Standards: Jurisdiction + Application



Standards for educational adequacy require a **long-range facility plan** to be developed and maintained by a school district for all school facilities. School districts must also develop **educational specifications** for <u>instructional facilities</u>. Plan may be a campus specific or district—wide plan and must be **updated every five years** and prior to the commencement of a subsequent capital improvement project.



Written, adopted guidelines that outline minimum expectations of future projects



All Texas school district instructional facilities
& all open-enrollment charter school instructional facilities



Effective for capital improvement projects starting Nov. 1, 2021

Major Improvements
OR Renovations
> \$50,000



TEA Standards: Key Areas Impacted

Instructional Support Buildings

Elementary, Middle, and High Schools

Instructional Spaces

General Education Room Benchmarks Science Classroom/Lab Benchmarks Auxiliary Instructional Spaces Benchmarks

SF defined by SF/Student

Common Spaces

Library / Media Center Benchmarks

SF based off Student Population

School Safety

Communications Infrastructure
Access Controls for Exterior Doors
Exterior Door Numbering
Visitor Management at Entry
Security Cameras

Non-Instructional Support Buildings

Auditorium Natatorium Stadium



TEA Standards: Select Method of Compliance

QUANTITATIVE METHOD

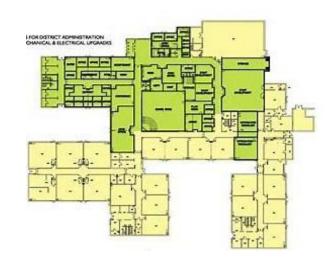


Baseline Starting Point for Core Instruction spaces.

Library/Media + Cafeteria spaces are additional.

SBISD historically has used this method

QUALITATIVE METHOD



Requires Board Direction to use this method.

Could result in additional square footage.

Cafeteria instruction + serving lunch at same time.



TEA Standards: Select Flexibility Level (Minimum Criteria)

L1 | L2

Minimum SF Criteria

Elementary = **36** SF/Student Secondary = **32** SF/Student

Presentation style instructional delivery

Inflexible furniture

No technology integration

Limited access to outdoors

Interactive style instructional delivery

Flexible furniture

Moderate technology integration

Controlled access to outdoors

L3 | L4

Minimum SF Criteria

Elementary = **42** SF/Student Secondary = **36** SF/Student

Interactive style instructional delivery

Flexible furniture

Extensive technology integration

Unmonitored access to outdoors

Student determined learning model delivery

Entirely mobile furniture

Multiple, simultaneous, integration

Unlimited access to outdoors

SBISD historically has been Flexibility Level L1/L2 Minimum SF



Differences: Educational Specifications | Design Standards

Educational Specifications

Program Elements

- List of Space Types
 (Admin, Media Center, Instruction, SPED, CTE, Arts, Athletics)
- Quantity of Spaces by Space Type
- Area for each Space

Relationship Diagrams

- Critical Adjacencies <u>within</u> Space Type Category
- Critical Adjacencies <u>with other</u> Space Type Categories

Room Data Sheets

- Design Considerations (Layout, Finishes, Transparency)
- Furniture, Fixtures & Equipment (Casework, Shelving | Plumbing | Furniture, Technology)

Design & Construction Stds.

Building Materials (Div 3 – 6)

Concrete | Masonry | Metals | Woods | Plastics

Bldg. Envelope + Interior Finishes (Div 7-9)

• Thermal + Moisture | Openings | Finishes

Specialties + Equipment + Conveying (Div 10-14)

- Signage | Toilet/Bath Accessories | Lockers
- Kitchen Equipment | Washer/Dryer | Athletic Equipment
- Elevators

MEP, Controls, Communication, Security (Div 21 – 28)

- Fire Suppression | MEP Equipment
- Bldg. Automation + Electronic Safety / Security

Site + Exterior Improvements + Utilities (Div 31 - 32)

- Site Clearing | Earthwork | Paving | Irrigation | Planting
- Utilities (water, sanitary, storm)



Next Steps



Educational Specifications What is ahead?

- Natatorium + Stadium (PBK)
- Elementary, Middle & High School (Stantec)

