

Architectural Design-IV(26151)Lesson-06

SECONDARY SCHOOL DESIGN

State the basic concepts of secondary school design:

The design of a secondary school should prioritize functionality, flexibility, and a conducive learning environment. Here are the basic concepts of secondary school design:

1. Site Selection & Planning

- **Located in a safe, accessible, and well-connected area.**
- **Adequate space for future expansion.**
- **Proper orientation to maximize natural light and ventilation.**

2. Zoning & Layout

- **Clear separation of academic, administrative, and recreational areas.**
- **Defined circulation paths to avoid congestion.**
- **Secure entry and exit points for students, staff, and visitors.**

3. Classroom Design

- **Proper size (minimum 6m x 8m) with good acoustics and lighting.**
- **Flexible furniture for different teaching styles.**
- **Adequate storage and display areas.**

4. Laboratories & Specialized Spaces

- **Science labs with proper safety measures.**
- **ICT/computer labs with modern equipment.**
- **Art, music, and vocational training rooms.**

5. Library & Resource Center

- **Quiet study zones and group discussion areas.**
- **Digital access points and e-learning facilities.**

6. Administrative & Staff Areas

- **Principal and teacher offices for efficient management.**
- **Meeting rooms for staff collaboration.**

7. Recreational & Sports Facilities

- **Playgrounds, courts, and multipurpose halls.**
- **Indoor activity areas for all-weather use.**

8. Sanitation & Hygiene

- **Sufficient restrooms with proper ventilation and maintenance.**
- **Drinking water and handwashing stations.**

9. Safety & Security

- **Fire safety measures, CCTV surveillance, and emergency exits.**
- **Fencing and controlled access points.**

10. Sustainability & Energy Efficiency

- **Use of natural light, cross ventilation, and green spaces.**
- **Water conservation and rainwater harvesting.**