Columbia High School renewal
District Goal Four: Resource Management

The South Orange–Maplewood Public Schools will pursue and achieve Goals 1-3 while slowing the rate of increase in operating expenditures.

Objective B: Well-maintained and safe facilities that enable focused and effective teaching and learning, and that are repaired and updated in an architecturally sensitive and fiscally responsible manner.

Indicator 1: A capital plan that extends to 2025.

Milestone 2013-14: Identify priorities and projects within phases for the capital plan, support public engagement, and gain Board of School Estimate (BSE) approval for the first phase.
• In April 2011, the Board of Education hired EI Architecture and Engineering firm to analyze all of the District facilities and recommend improvements that would enable SOMSD to meet the educational demands of the 21st century.

• A preliminary report was made in April 2012 and EI continues to work with the District to prioritize capital improvement projects and the recommended phasing of these projects.

➢ **Physical Facility Deficiencies Identified**

➢ **Program Space Deficiencies Identified**

➢ **Deficiencies Categorized into 4 Priority Levels over 15-20 year period**
Summary of Needs:

• Site Work Improvements
• Building Envelope - Roofs
• Building Envelope – Windows
• Elevator/ADA Upgrades
• Interiors - Casework Upgrades
• Interiors - Finish Upgrades
• Mechanical, Electrical, Plumbing System Upgrades
• Educational Adequacy – Need for Additional Classroom Space (Enrollment Increase)
• Educational Adequacy - Science Laboratory Deficiencies
Enrollment Data - CHS

- 2011-2012: 1,847
- 2012-2013: 2,129
- 2013-2014: 2,422
- 2014-2015: 2,583
- 2015-2016: 2,583
- 2016-2017: 2,583
- 2017-2018: 2,583
- 2018-2019: 2,583
- 2019-2020: 2,583
- 2020-2021: 2,583
- 2021-2022: 2,583
- 2022-2023: 2,583
- 2023-2024: 2,583
- 2024-2025: 2,583
- 2025-2026: 2,583
- 2026-2027: 2,583
Columbia High School Facility Renewal Considerations

- Address Projected Student Enrollment Increase
  - 300 Student Enrollment Increase by 2017/2018 School Year
  - Possible 700+ Student Enrollment Bubble in 2024-2025 School Year
- Renovate and Revitalize Infrastructure
  - Address Laboratory Deficiencies
  - Repurpose Underutilized Program Areas
  - Allow for flexibility in instructional delivery
- Create Organized Structure for Collaboration
- Create Space for New Curriculum Areas (e.g., robotics)
Columbia HS Renewal Plan
Address Projected Student Enrollment Increase

• Convert (6) Computer Labs into (6) Classrooms.
Columbia HS Renewal Plan

Renovate and Revitalize Infrastructure: Allow for flexibility in instructional delivery
Future Updates to Library/Media Center

• Reflect updated use of technology
• Group learning space
• Independent study spaces
• Additional classroom space
  • Conversion of office
• Physical classrooms in current learning spaces
Columbia HS Renewal Plan
Renovate and Revitalize Infrastructure: Address Laboratory Deficiencies

• Relocate 3rd Floor A-Wing Labs to 2nd Floor B-Wing:
  • Convert (3) 2nd Floor B-Wing Classrooms into (2) Biology Labs
  • Convert (2) 3rd Floor A-Wing Labs into (3) General Purpose Classrooms
Columbia High School

Proposed Master Plan – Per 2012 Assessment Report

Goals:

• Optimize CHS
• Create Efficiencies thru grouping like program areas for department collaboration
• Develop STEM Program
• Strategic Repurpose, Renovations and Additions
• Upgrade Infrastructure

Physical Education / Wellness Center

Fine & Performing Arts

Science, Technology, Engineering, Math (STEM)

Communications & Media Arts
Create Organized Structure for Collaboration

Columbia High School

Existing First Floor Plan
Columbia High School

Existing Lower Level Floor Plan
Columbia High School

Ultimate Proposed Master Plan - Lower Level Floor Plan
Columbia High School

Ultimate Proposed Master Plan – First Floor Plan
Columbia High School

**Ultimate Proposed Master Plan – Second Floor Plan**

- **Humanities**
- **Life Sciences**
- **Media Center**
- **Physical Science/Mathematics**
Columbia High School

Ultimate Proposed Master Plan – Third Floor Plan

Legend:
- Non-Instructional
- Cafeteria
- Administration
- Visual & Performing Arts
- Communication & Media Arts
- Science & Technology
- Physical Education
- General Instruction

Physical Science/Mathematics

Humanities

Life Sciences
Columbia High School

Summer 2014 Room Changes – Third Floor Plan
Columbia High School

Summer 2014 Room Changes - Lower Level Floor Plan

Technology
Columbia High School renewal

NEXT STEPS:

• Staff input:
  • response to proposal
  • architect for room design
  • furniture, as needed

• Finalize proposed moves
  • Share with BOE’s facility committee
  • DOE Submittals as needed

• Plan for Summer 2015