AMITY REGIONAL SCHOOL DISTRICT BUILDING COMMITTEE MEETING AGENDA
February 5, at 6:30 p.m.
25 Newton Road, Woodbridge, CT
PRESENTATION ROOM

COMMITTEE MEMBERS PRESENT
Chairperson Patrick Reed, Sean Hartshorn, Carla Eichler, Michael McDonough, Dr. Jennifer Byars, Theresa Lumas, Stephen Martoni, Andre Hauser, Monica Kreuzer, Vicki Hulse, Ken Clark

COMMITTEE MEMBERS ABSENT
Sean Rowland, Shaun DeRosa

Call to Order- Chairperson Patrick Reed called the meeting to order at 6:35 p.m

Discussion and Possible Action on Minutes

a. Building Committee Meeting – October 30, 2023

MOTION by Carla Eichler
VOTES IN FAVOR: 11 (unanimous)
MOTION CARRIED

Presentation and Discussion of ARHS – Library Media Center Update –Amanda Cleveland, Silver Petrucelli

Adjourn

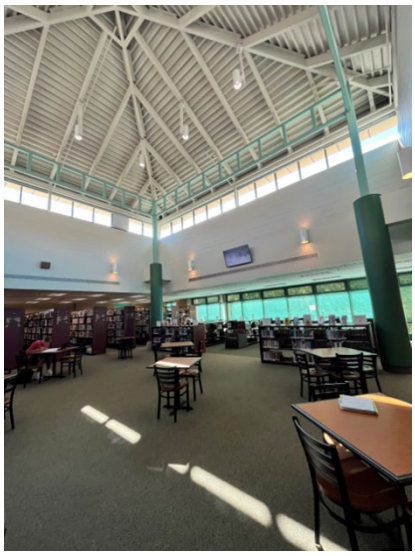
MOTION by Sean Hartshorn to adjourn at 7:03 p.m.
VOTES IN FAVOR: 11 (unanimous)
MOTION CARRIED

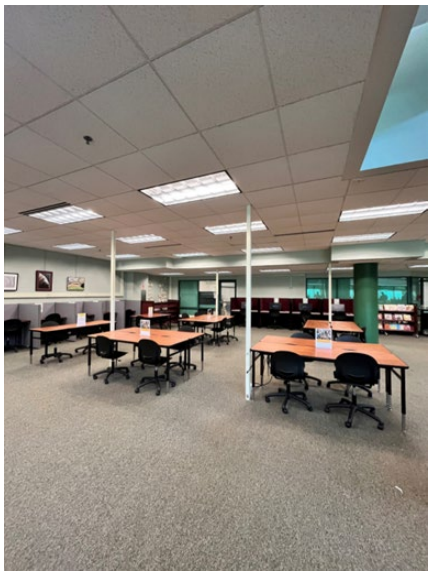
Respectfully submitted,

Regional School District No. 5

Amity High School Library Media Center Renovations

April 23, 2024





Schematic Design Report

Prepared for:
Regional School District No. 5
25 Newton Road
Woodbridge, CT 06525

S+P+A
ARCHITECTS
ENGINEERS
INTERIORS

Silver Petrucelli + Associates
3190 Whitney Avenue | Hamden CT 06518
311 State Street | New London CT 06320
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EXECUTIVE SUMMARY

Silver Petrucelli + Associated was retained by Amity School District No. 5 to provide interior renovations to the existing library media center at Amity High School, located at 25 Newtown Road in Woodbridge, Connecticut, to address the current and furniture needs of both students and staff.

The library media center is currently accessed through one set of double doors located in a deep recess off the main corridor. Students enter and exit through the same doors, which becomes congested during transitioning between periods. In addition, the offset circulation desk does not have direct line of sight of the doors, which requires a second, smaller desk be positioned near the entry to monitor student activity.

Within the library are two full-size classrooms. One classroom is currently used as a health classroom with no direct access off the corridor. Students must enter the media center to access it. The second classroom, or multipurpose room, is positioned directly behind the circulation desk. While this provides good site lines, the media specialist's office can only be accessed through this room; which is problematic when the room in use. There is a third, small classroom which connects to the media center but also has corridor access. This room is currently used for special education. Access through the media center is blocked by furniture in both rooms. The intent of the renovation is to reclaim these spaces for media center driven activities, like podcasts, recording and a dedicated library media center classroom.

The library stacks are tall, and the current capacity exceeds their needs. Their position in the library also poses a line of site concern. Students gravitate to the limited soft seating in the library and tend to move their position throughout the space, which speaks to the need for more seating that is easily repositioned. The furniture is outdated and not adaptable to a 21st Century library media center. Quite and collaborative zones are not well defined.

Tech services is a separate space that is accessed both through the media center and from the corridor. Their primary function is to provide and service staff and student computers. Their space is large and poorly configured. The renovation will right-size their area and improve efficiency of storage. It will also consolidate their server room.

Acoustics, lighting, access to power and temperature control are also key components taken into consideration for this project.

The information in this report was gathered through meetings with the district, facilities and library staff, review of existing drawings, and several site visits to review existing conditions. Our report includes meeting minutes, concept floor plans and narratives describing our recommendations for renovation.

NARRATIVES

Architecture

Layout improvements include reconfiguration of entry, including clear wayfinding indicators in the corridor.

- Clear entry/exit doors for better student flow, including display cases, bookcases and tackboards for student artwork and announcements.
- Reallocation of classroom space to allow for podcast and recording spaces.
- Reallocation of space to create a full-size, library classroom with access from the corridor.
- Relocate circulation desk for clear site lines throughout the media center, including entry and exit.
- Modification of Director's Office to include storage and small coffee bar counter with sink.
- Reduction of stacks to allow for shift in programming needs.
- Creation of semi-private Reading Room.
- Collaborative zone is centralized and has clear site lines by library staff.
- Addition of dedicated Server Room.
- Address glare from clerestory windows with Solar window film.
- Address noise generated by metal deck with a variety of acoustic treatments.
- Replace existing power operated window blinds with new power operated roller shades.
- Replace existing manually operated window blinds with new manually operated roller shades.
- Replace existing carpeting with new waterproof, hygienic, washable textile floor covering.
- Replace existing VCT with new bio-based resilient flooring.
- Replace existing VCT at corridor outside LMC with new resilient flooring in a contrasting finish to assist in identifying location of the library media center
- New paint throughout the renovated space.
- Provide new furniture with flexible uses, nesting and stacking where feasible. (see plan with images)
- Coordinate and provide new power receptacles for functionality of all program spaces.

Fire Protection

The existing fire protection piping, and sprinkler head coverage can accommodate the proposed changes to existing rooms and new rooms to be added. Minor demolition will be required to relocate existing sprinkler heads and fire protection piping to accommodate the new 2’ x 2’ ceiling grid which will be offset from the existing 2’ x 4’ ceiling grid. Flexible-style sprinkler head assemblies will be incorporated for the locations required. The existing fire protection system piping is large enough that if new sprinklers need to be added due to unforeseen conditions or changes, it could be added without taking pressure or coverage away from the rest of the system. The clean agent system that currently occupies the room with the sever should be removed as the clean agent it utilizes is being phased out due to environmental concerns; in its place a new clean agent system should be installed. This system will be like what is currently in the room and will consist of a clean agent storage tank, 1” – 1-1/2” piping supply to a 180^{o} - 360^{o} nozzle, an emergency shutoff switch, manual release, and a maintenance switch. The Fluoro-K Clean Agent system by Kidde Fire Systems has a thorough list of room requirements to ensure the system will work at top efficiency; this system is recommended.

Plumbing

Existing sinks and faucets will be removed, and their associated piping will be modified to suit future use and needs. A new stainless steel, drop-in type, ADA compliant sink with an ADA compliant faucet will be installed in the new sink location. Existing piping will be rerouted, extended, and reduced as necessary to service this new sink. An ASSE thermostatic mixing valve will be incorporated as necessary.

Mechanical

General

An evaluation of the heating, cooling and ventilation system serving the Media Center has been conducted. During this evaluation, considerations such as the age of equipment, physical condition, controls capabilities and capacity of the facility's HVAC units have been assessed. The ability for existing systems to potentially increase ventilation rates was also evaluated.

Evaluations were conducted by examining equipment to determine its age, if obtainable, its physical condition, and the location it serves. The anticipated useful life expectancies, as noted in this report, are determined through recommendations as outlined by ASHRAE, the American Society of Heating, Refrigeration, and Air-conditioning Engineers.

The following section is based on Silver Petrucelli conducting a site survey on March 6, 2024 & March 8, 2024, review of existing HVAC design drawings dated 1990 and 2021, review of HVAC As-Built drawings dated 1993 and contacted the equipment Manufacturer's for additional information.

Existing Conditions

The Media Center and nearby offices, classrooms, corridors, storage rooms, etc. located on Level 1 and 2 of Building "A" & Building "B" are served by a packaged variable air volume indoor air handling unit (AHU-3) manufactured by TRANE. The unit is equipped with hot water and chilled water-cooled coils which provides heating, cooling, and ventilation to the spaces and was recently replaced in the year 2021. With proper maintenance of the equipment, the life expectancy of the unit is 15 years. Other equipment associated with AHU-3 within the mechanical room such as ductwork, piping, pumps, valves, variable speed drives, controls, inline return air fan (by COOK), etc., were replaced during the same HVAC upgrade project.

Downstream of the ductwork associated with AHU-3 there are approximately twenty-eight (28) variable air volume (VAV) terminal units and seven (7) fan powered variable air volume (FPVAV) terminal units both equipped with ducted hot water reheat coils. The terminal units are in poor condition and have a serviceable life expectancy of 20 years. Unlike the associated air handling unit and other components associated with the system located in the mechanical room these units are original to construction, beyond their life span and should be replaced.

Existing perimeter hot water radiation appears to be in fair condition and has a serviceable life expectancy of 25 years. Therefore, the perimeter radiation in this area of the school is 32 years old, beyond its serviceable life expectancy and should be replaced.

Existing Temperature Control systems throughout the facility are direct digital controlled (DDC). All existing equipment is currently monitored and controlled through a Siemens central building management control system (BMCS).

Existing Server / Data areas are currently equipped with split systems providing cooling to the space. The split systems are each comprised of an indoor wall mounted air conditioning unit and an associated outdoor condensing unit. The serviceable life expectancy on these systems are 15 years. Based on equipment idea tags and conversations with the Manufacturer's

Representatives these units are beyond their life expectancy and should be replaced. The area containing the abandoned Liebert unit should be removed as well to accommodate the new Architectural layout.

Potential Proposed Systems

**Cost estimates below are mechanical costs only. Each option affects the electrical costs. See cost estimate attached for full impact of HVAC design option selection.*

Option 1: Approximate Cost = $92,000.00

Existing Siemens Automatic Temperature Control systems associated with AHU-3 and associated equipment to remain.

Existing air handling unit AHU-3 and associated components to remain with the exception of minor alterations to accommodate new architectural layout. Minor alterations include relocation of existing diffusers, grilles, thermostats and providing new ductwork.

Contractor to hire TAB certified agent to revise air flows to the spaces affected by new walls, removal of wall, etc., to accommodate new architectural layout.

Option 1 will not rectify the following:

- Existing humidity issues.
- Increase of ventilation air required by code.

Option 2: Approximate Cost = $446,000.00

Existing Siemens Automatic Temperature Control systems associated with AHU-3 and associated equipment to remain. The new proposed HVAC equipment will be added to the existing system. Components such as control devices, relays, sensors, panels, transformers, low voltage wiring programable controllers, programing, etc., will be required for the new equipment to be connected to the existing Siemens system. Compatibility with existing systems will be determined based on the owner's requirements. The controls will be based on BACnet controls.

Media Center to be divorced from existing air handling unit (AHU-3). The space will be served by a dedicated variable air volume packaged rooftop heat pump unit with integral Direct Expansion (DX) refrigerant cooling/heating coils, electric backup heating section and new ductwork distribution to provide heating, cooling, and ventilation to the space. Each zone of the Media Center will be equipped with a new variable air volume terminal with ducted hot water reheat coil. Roof mounted RTU will be provided with seismic spring isolation curb with sound attenuating panels.

New classrooms to be divorced from existing air handling unit (AHU-3). The space will be served by a dedicated slit system. Split System for each classroom will contain a ducted fan coil unit above the ceiling equipped with Direct Expansion (DX) refrigerant cooling/heating coil, Energy Recovery Unit (ERV) with heating coil, Outdoor roof mounted condensing unit, ductwork distribution, piping distribution, ceiling diffusers/grilles, etc. to provide heating, cooling, and ventilation to the space.

Existing indoor air handling unit, AHU-3 to remain serving all other areas currently associated with the system.

New Server / Data areas will be served by split-ductless systems consisting of an indoor unit with integral Direct Expansion (DX) refrigerant cooling and an outdoor condensing unit equipped with low ambient cooling capability. The outdoor condensing unit will either be mounted on the roof or at grade.

Contractor to hire TAB certified agent to test and balance all new HVAC equipment, existing airflow discharged by AHU-3 and the spaces affected by new walls, removal of wall, etc., to accommodate new architectural layout.

Option 3: Approximate Cost = $505,000.00

Existing air handling unit AHU-3 and associated components to remain with the exception of minor alterations to accommodate new architectural layout. Minor alterations include relocation of existing diffusers, grilles, thermostats and providing new ductwork.

Media Center to be divorced from existing air handling unit (AHU-3). The space will be served by a new state-of-the-art Variable Refrigerant Flow (VRF) system. The VRF system provides the benefit of free energy exchange while in simultaneous heating and cooling modes and without the need for seasonal equipment changeovers. When units operating along one exposure are in cooling mode, while the others across the hall on the opposite exposure are heating, or vice versa (both common scenarios in this specific building), the refrigerant streams effectively transfer energy from one another providing “free energy exchange”. Therefore, the outdoor compressors operate at lower capacities resulting in a significant portion of the system’s energy consumption being negated. They provide one of the most viable retrofit options available as well and potentially have the advantage of being much less disruptive during the upgrade of a building’s HVAC infrastructure, requiring only additional circuiting for the added number of terminals and routing small-diameter pipe sets above the ceilings. They are also highly maintenance friendly.

The VRF system consists of multiple “fan coil units”, similar to the split ductless-indoor units which have become commonplace, and which can be configured to be mounted in a myriad of configurations, such as:

- Lay-in cassettes at the ceiling level.
- Above the ceiling (concealed) with duct connections to diffusers serving the space

The benefit to this HVAC retrofit application is that there is no addition of ductwork, duct insulation, dampers, diffusers, registers and grilles (except for the aforementioned concealed units, thus minimizing space disruption. In addition, the flexible refrigerant piping and small electrical power and control circuits serving the fan coil units are more easily run through an existing space. The refrigerant piping is run from the fan coil unit to a branch-circuit controller/junction box serving a building zone, wherein all the free-energy exchange takes place. The branch-circuit controller then connects to an outdoor heat pump unit, along with

other branch-circuit connections, to reject or absorb heat as required. These outdoor units could easily be placed on grade or at rooftop level as applicable.

Ventilation will still need to be addressed. Specialized energy recovery units will distribute tempered, dehumidified, outside air to the building via a duct system.

The Media Center will be served by a roof mounted dedicated outside air system (DOAS) with integral Direct Expansion (DX) refrigerant cooling/heating coils, electric backup heating section and new ductwork distribution to provide neutral (tempered air) ventilation to all spaces. Roof mounted DOAS will be provided with seismic spring isolation curb with sound attenuating panels.

Existing indoor air handling unit, AHU-3, to remain serving all other areas currently associated with the system.

New Server / Data areas will be served by split-ductless systems consisting of an indoor unit with integral Direct Expansion (DX) refrigerant cooling and an outdoor condensing unit equipped with low ambient cooling capability. The outdoor condensing unit will either be mounted on the roof or at grade.

Contractor to hire TAB certified agent to test and balance all new HVAC equipment, existing airflow discharged by AHU-3 and the spaces affected by new walls, removal of wall, etc., to accommodate new architectural layout.

Energy Conservation Measures

Various energy conservation measures will be employed in the mechanical systems to ensure that the building runs as efficiently as possible.

Demand controlled ventilation is a method of ensuring adequate ventilation for building occupants, while eliminating unnecessary ventilation and reducing energy consumption. The ventilation process requires a substantial amount of energy because outside air needs to be heated or cooled to acceptable levels. Energy is conserved by controlling ventilation rates based on the actual number of occupants indirectly by measuring the concentration of carbon dioxide (CO_2) as an indicator of occupant load. Concentrations of CO_2 are measured by a sensor located in the space or return air duct and the outside air dampers are modulated to maintain concentrations below an established baseline. This technique can be applied throughout the building and is especially effective in high occupancy spaces that are not continuously occupied. Demand Controlled Ventilation can be easily implemented by the addition of sensors and required programming when an Energy Management System is provided.

Outside air economizers will be employed on all air handling systems with a capacity of 4 tons and greater. If there is a demand for cooling within the building and the outside air temperature and relative humidity is less than the inside space conditions, the cooling system will be

disabled and fresh air will be brought in and used to cool the space. This will be particularly useful for areas with high occupancy such as conference and meeting rooms, classrooms, high occupancy spaces, etc., where a load is generated by a large group of people and cooling is often required when it is cool outside and other spaces may require heating.

Variable frequency drives (VFD's) and premium efficiency motors will be used on air handling units and pumps to minimize electrical demand. As demand increases, the heating or cooling system calls for more water flow. The VFD's will modulate the pump to provide greater flow. At times where there is minimal load the VFD's will modulate the pumps to minimum settings to reduce the electrical load on the building.

An Energy Management System (EMS) provides a building owner with the ability to monitor, control, and adjust all HVAC (along with plumbing and electrical if desired) systems from a central location. An operator workstation consisting of a personal computer and printer can be located in the building, and this station can be accessed remotely via the internet. The owner can set occupancy schedules, adjust set points, and monitor trouble/alarm conditions in an efficient manner with this tool. Features such as night setback, holiday scheduling and weekend scheduling will be included to allow the system to minimize energy expenditure during unoccupied periods. An alarm feature will be added which can remotely notify facilities staff of any pre-determined alarm conditions.

Incentives, Grants, and other programs may be available to offset construction costs. They may be in the form of rebates for implementing certain energy conservation measures such as high efficiency air conditioning equipment and premium efficiency motors. In addition, other incentives may be available for high efficiency systems by participating in a utility companies comprehensive design program. The incentives offered are designed to offset some or all of the additional cost for higher efficiency systems. Possible funding sources will be investigated as part of the design process.

Energy Recovery can be accomplished through a variety of technologies, and for this project, the use of energy recovery ventilators and energy recovery wheels is anticipated. These devices capture a portion of energy from the exhaust air stream and add it to the supply air stream thus reducing the amount of energy input required.

Refrigerants used in air conditioning systems will be hydrofluorocarbons having low ozone depletion and global warming potential. Equipment will most likely use HFC-410A or HFC-134a, however further phaseouts of refrigerants is anticipated.

Premium Efficiency Motors will be utilized wherever their application is feasible and per the latest energy codes.

Applicable Codes

The proposed upgrades require that the building be brought up to full current code standards. The State of Connecticut has adopted the following Codes on October 1, 2022. Therefore, our project will fall under the requirements of these following codes:

- Connecticut State Building Code (CSBC) with 2021 Connecticut Supplements
- 2021 International Building Code (IBC)
- 2021 International Mechanical Code (IMC)
- 2021 International Energy Conservation Code (IECC)
- 2020 NFPA 70 National Electric Code (NEC)

Electrical

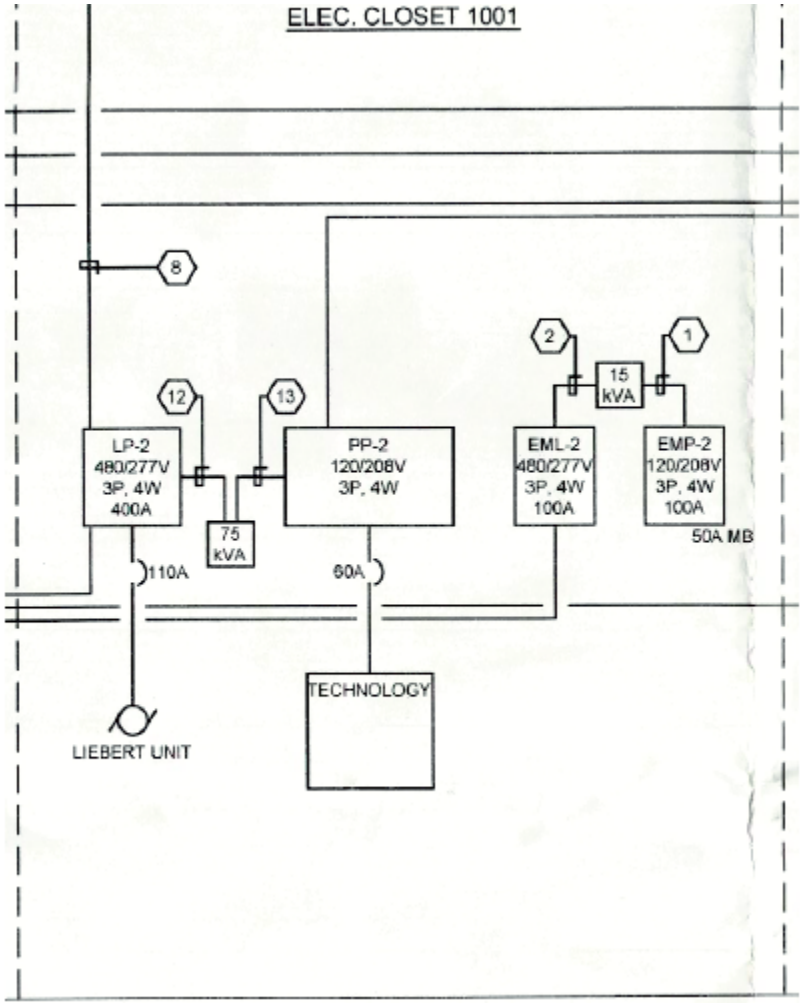
Code References All Electrical work will be performed in accordance with the following approved codes:

A117.1 Accessible and usable building and facilities 2009
CSBC - State Building Code: 2022 with amendments.
CSFSC – State Fire Code 2022.
IBC – International building code 2021
IECC – International energy conservation code 2021
IEBC – Existing building code 2021
NFPA70 – National Electric Code 2020
NFPA 72 – National Fire Alarm Code 2019
NFPA 101 – Life Safety & Health Administration

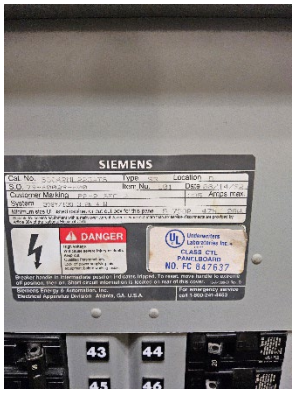
General

The distribution panels for power (PP2-Sec 1 & 2) are completely full.

*Note:.



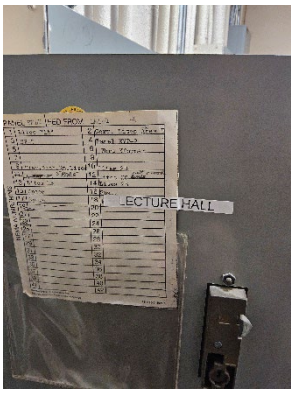
Located in electric closet 1001

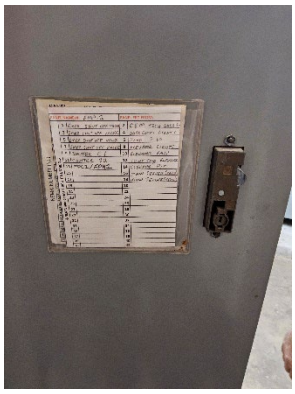


PP2 Sec 1 (225A MB 208/120v 3P)

PP2 Sec 2 (125A ML 208/120v 3P)

LP2 (250A MB 480/277v 3P)





EMP-2 (50A MB 208/120v 3P)

EML-2 (100A ML 480/277V 3P)

Both are fed from 200A 480/277v ATS located in Elect 1123

- Devices: General purpose duplex receptacle shall be provided throughout the facility per code. All receptacles installed outside the building shall be GFCI type with weatherproof "in use" type cover. Equipment located on the roof or outside shall have a GFCI receptacle with weatherproof cover located within 25 feet of equipment. In all classrooms and countertop areas receptacles will be TR style as well.

- **Fire Alarm system:** A new fire alarm devices if required will be installed per 2022 CSFSC code. All existing devices to be replaced, added devices in the new proposed spaces will be included.

- **Data equipment and cabling:** New data cabling will be provided throughout the space for all new data locations. Racks and equipment will be provided by owner in all newly created spaces.

- **Interior emergency lighting:** New battery-operated emergency light fixtures will be installed to provide immediate emergency lighting.

- **Interior Lighting:** New LED light fixtures (pendants, 2x2's, and linear luminaires) will be installed to provide proper lighting levels per the latest IES recommended practices. The Interior Design department will guide engineering final design choices based on a space per space requirement. Exit signs will be added as required per the current codes.

- **Lighting Controls for all rooms:** Each classroom, office and work room will have ceiling or wall mounted occupancy sensors which will control the lighting when the rooms are unoccupied. New wall dimmer switches will be installed as required by code which will allow an override of the occupancy sensor. Rooms with exterior glass will be equipped with daylight harvesting sensors to dim the room lighting down to compensate for natural light coming through the windows.

- **Electrical panel addition:** A new electrical panel and transformer will be added to accommodate new power requirements in the spaces being renovated. All electrical devices will be designed to the NFPA 70 (NEC) 2020 code.

- **Wiring:** The existing building wire will stay where possible; new circuits will be added to the new panel location for any new equipment or spaces that have been changed.

MEETING NOTES

ARCHITECTS
ENGINEERS
INTERIORS

MEMORANDUM OF MEETING #1

PROJECT: Region 5 - Amity HS Media Center

CLIENT: Amity Regional School District #5

MEETING PLACE: Library Media Center

DATE AND TIME: January 5, 2024 @ 12:30

ATTENDEES:

Terry Lumas	Director of Finance
Steve Martoni	Director of Facilities
Shaun DeRosa	Director of Technology
Jenn Byars	Superintendent
Victoria Hulse	Library Media Specialist
Ken Clark	Library Media Specialist
Monica Kreuzer	Associate Principal
Andre Hauer	Principal
Amanda Cleveland	SPA Principal

Purpose: **To discuss program requirements and overall project objectives.**

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1. SP+A will investigate the current occupancy limit of the library (believed max. 65 ppl.) to understand the terms of the restriction. A new code plan and occupancy limit will be calculated based on the revised layout, using the most current CT building codes. As necessary, SP+A will discuss with the local fire marshal.
2. The configuration of the current library is too open for a variety of activities.
3. More collection reduction is anticipated (50% +/- in nonfiction). SP+A will work with the library director on final linear foot counts that should remain.
4. Students like the comfy chairs but there is a limited quantity. They are moved throughout the library.
5. The Library Director's Office location does not provide good line of site to all areas of the media center. The classroom between the media center and the office creates an access issue for staff when the classroom is in use.
6. Would like more book displays and bulletin board space. Current bulletin boards are too small. The current configuration of the entrance does not provide displays to entice people to come into the library.
7. Would like a Pod cast or zoom room for student use and/or a dedicated recording space for (4) people. Theatrical and music departments have their own dedicated recording space, but other departments (like English) do not.
8. The circulation desk is too big and in the wrong place. Max. people at one time would be (3).
9. The media center is too dark when not sunny. The motorized window shades at the clearstory windows no longer work; frequently have glare issues.
10. The metal roof is very loud during heavy rainstorms. Need to address acoustics in that area.
11. Not enough storage space.

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203 230 9007 *silverpetrucelli.com*

12. Reclaim (1) classroom and give back to the library. Considering moving special ED classroom adjacent to tech services. Need to review program and proposed layouts to determine if this move is appropriate.
13. Need for quiet reading areas, whether it be using furniture or creating small rooms. Keep quiet zones away from collaborative zones.
14. Reduce study carrel quantities. They are not used to full capacity.
15. Would be interested in a mix of standard height and high-top tables as well as a variety of furniture options. New furniture should be easy to move. Collaborative area furniture should be more portable; not necessarily on wheels, but easier to reposition.
16. Would like an alternative lecture area; especially for media sponsored events.
17. Entrance and exit are through the same set of double doors. Would like to distinguish between entering and exiting if possible; reconfiguration of the library classrooms may help with this.
18. The color copy machine is the first thing you see when you enter the media center; not ideal. Some students only come to the library to copy, which complicates their limited maximum occupancy. Discussed moving the copy equipment to Tech Services if space permits. This would allow student access when the media center is not open. Tech services is open whenever there is staff or students in the building. Relocation would allow for more oversight of copy frequency.
19. Tech services is typically (1) student and (2) techs. The desk was inherited and not designed for the space. Reworking this area should be considered part of the renovation scope of work, including the adjacent Tech storage room.
20. The existing electrical panel that services the library is at capacity. Any new electrical loads will need to address expanding the panel if required.
21. The existing generator does not cover the entire school or the servers and is also at capacity.
22. The media center currently displays student artwork. Artwork should be updated. There is no need for display of other departments.
23. Furniture and stacks were discussed. At this early-stage SP+A recommends replacement of all furniture. As the budget is developed, we can review items that could be reused if necessary.

Next Action:

- SP+A will develop a written program of spaces and square foot allotments to confirm all spaces are accounted for and that size and adjacency is appropriate prior to our next meeting.
- SP+A will develop concept level floor plan options for review once the program is confirmed.
- SP+A will input PDF plans to Revit and schedule a future site visit to confirm plan accuracy.
- Next meeting is schedule for 1:30pm on Monday, January 29th.

Any corrections, additions, or comments should be made to Silver / Petrucelli + Associates within 14 days of the date of the meeting.

Distribution: Attendees, File

ARCHITECTS
ENGINEERS
INTERIORS

MEMORANDUM OF MEETING #1

PROJECT: Region 5 - Amity HS Media Center

CLIENT: Amity Regional School District #5

MEETING PLACE: Library Media Center

DATE AND TIME: January 29, 2024 @ 1:30

ATTENDEES:

~~Terry Lumas~~	~~Director of Finance~~
Steve Martoni	Director of Facilities
Shaun DeRosa	Director of Technology
Jenn Byars	Superintendent
Victoria Hulse	Library Media Specialist
Ken Clark	Library Media Specialist
Monica Kreuzer	Associate Principal
Andre Hauer	Principal
Amanda Cleveland	SPA Principal

Purpose: **To review the first pass conceptual design.**

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1. Media Center classroom furniture should be flexible and allow the room to be cleared of furniture when necessary. Will consider the furniture suggested but also look at an option with flip-nest tables and stacking chairs.
2. SP+A should look at a plan option that leaves the existing special education classroom in place.
3. SP+A should look at a plan option that eliminates the hidden corridor to the podcast and recording rooms. We discussed switching the two in plan to bring the podcast and recording room closer to the circulation desk. By pushing the classroom to the back wall, it allows the existing door to the corridor to remain and can serve as a second means of egress from the classroom; allowing students to dismiss directly to the corridor when appropriate.
4. The side entry study carrels are interesting but need to accommodate larger body students. SP+A will investigate if larger sizes are available as well as solutions that separate the seat from the carrel to allow some flexibility on the spacing.
5. If library stacks can be reduced in quantity the added space should be filled with more lounge seating. SP+A will provide a stack count assuming the existing heights. The media center staff will review and direct where quantities of stacks and overall stack height can be reduced.
6. Media Center office should include a small storage room for book carts and other items that should remain out of view. Reduce desk quantity to (2) since one person will always be at the circulation desk.
7. Lower the display cabinets between the entry and exit to prevent line of sight issues.
8. There is some concern with the solid wall at the quite zone. The concept of separating the space with glass is appealing but would like to see the solid portions of the wall removed. The stacks located on the solid wall could be located along the exterior walls in the quiet zone if needed. The existing window to the quiet zone is good. SP+A will look to add more windows for better visual coverage.

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203 230 9007 *silverpetrucelli.com*

9. SP+A to provide weight capacity on the seating suggested. Provide furniture samples or locations of local installations they can visit.
10. The wall mounted T.V. will remain and be supplemented with mobile T.V. units. Will need to add (2) ports in strategic locations for connection. All should be 110 power w/ one data drop.
11. Power should be provided at as many seating locations as possible. Wi-Fi capacity will also need to be extended.
12. Work should likely begin with tech services to allow the server room to be outfitted and ready for transfer with as little downtime as possible. Comcast owns the demarcation for the district and are the only ones authorized to move those lines. That shift will need to be coordinated with Comcast when construction begins. This will also allow the additional classroom to come online prior to the media center classroom being decommissioned.
13. The sink in tech services is not needed. The casework should be updated with better storage for technology items.

Next Action:

- SP+A will develop the two alternate plans discussed prior to next Monday's presentation.

Any corrections, additions, or comments should be made to Silver / Petrucelli + Associates within 14 days of the date of the meeting.

Distribution: Attendees, File

DRAWINGS

Stacking multi-posture
Student Chair
w/ book storage

Mobile, collaborative student table

Mobile, nest & fold
collaborative tables

Study Carrell

SEATING AREA FURNITURE

Student Chair w/
tablet arm, cup holder,
and book storage

READING ROOM FURNITURE

Orbital motion chairs

High-top gathering table behind modular soft seating

Study Nook

Lounge Chair w/ tablet arm
and book storage

Drawing Number: SD01

Date: 02/05/2024
Scale: 1/16" = 1'-0"
Drawn By: JAL
Project Number: 23-195

Drawing Title:
Library Media Center
Schematic Plan

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007
silverpetrucelli.com

Project Title:
Renovations at Amity Regional High School
Library Media Center
25 Newton Road
Woodbridge, Connecticut

ESTIMATE

Amity High School

Library Media Center Renovation

4/24/2024

Schematic Design - Opinion of Probabale Construction Cost

ARCHITECTS
ENGINEERS
INTERIORS

CONSTRUCTION COSTS	
Architectural - Demoltion & New Construction	$580,646
FF&E & Technology	$594,500
Plumbing - Demoltion & New Construction	$20,000
Fire Protection	$75,000
Electrical - Power & Lighting (Option #2)	$156,888
Mechanical (Option #2)	$446,000
Subtotal Construction Cost:	1,873,034
Escallation (6% per year through 2026):	231,507
Total Construction Costs:	**2,104,541**

SOFT COSTS	
Contractor's Estimated General Conditions (10%)	$187,303
Contractor's Estimated Overhead & Profit (18%)	$337,146
Design Contingency (10% - unforseen conditions)	$187,303
Owner's Contingency (10% - additional scope)	$187,303
A&E Fees	$65,500
Printing, Legal Notices allowance	$3,500
Subtotal Soft Cost:	**$968,056**

Total Construction Costs:	**$3,072,597**
Cost per SF (10,740 SF)	*$286*

Exclusions: Environmental Site Hazards, Building Commissioning & Financing Costs, A&E Fees, Structural Fees and design, Civil

ESTIMATES ARE BASED ON 2024 CONSTRUCTION COSTS.
COST ESTIMATES BASED ON HISTORICAL DATA FOR COMPARABLE PROJECTS.
ADD 6% ESCALATION PER YEAR IF CONSTRUCTION COMPLETION EXTENDS BEYOND DECEMBER 2025

Alternates

OPTION #1 HVAC	$	189,875.00
HVAC Cost	$	97,875.00
Electrical Cost	$	92,000.00

OPTION #3 HVAC	$	739,850.00
HVAC Cost	$	625,000.00
Electrical Cost	$	114,850.00

**Alternate cost replaces Mechanical and Electrical cost in estimate above if accepted (not in addtion to).*

MOVING & STORAGE - W.B. MEYER , INC.	$	55,000.00
Range depending on scope ($39k-$55k)	$	55,000.00

**Cost based on CT State contract 14PSX0161*

AMITY REGIONAL SCHOOL DISTRICT NO. 5

Bethany Orange Woodbridge

25 Newton Road, Woodbridge Connecticut 06525

Theresa Lumas ***Phone (203) 397-4813***
Director of Finance and Administration ***Fax (203) 397-4864***
terry.lumas@amityregion5.org

To: Dr. Jennifer Byars, Superintendent of Schools

From: Theresa Lumas, Director of Finance and Administration

Re: Action Items Relating to the ARHS Library Media Center Renovation

Date: April 25, 2024

The Amity Regional School District School Building Committee may take action to recommend the Amity Board of Education approve the schematic design and cost estimate. The Board will need to authorize the cost of the project in order to proceed with the State of Connecticut School Construction grant application.

Motion to recommend:

The Amity Board of Education approves the schematic design with modifications presented by Silver Petrucelli and Associates and authorizes appropriating funds for the ARHS library media center renovation project inclusive of adjoining classrooms, offices and storage spaces.

RESOLVED,

1. That Regional School District Number 5 of the State of Connecticut authorizes Three Million One Hundred Fifty-Two Thousand Five Hundred Ninety Six Dollars ($3,152,596). for costs related to various library media center improvements at Amity Regional High School, contemplated to include: (a) furniture, (b) flooring, (c) HVAC and electrical upgrades and the adjoining classrooms, offices and storage spaces. The appropriation may be spent for design, construction, acquisition and installation costs, equipment, materials, consultant fees, legal fees, net interest on borrowings, other financing costs, and other expenses related to the project. The District Board of Education is authorized to determine the scope and particulars of the project, and may reduce or modify the scope of the project as desirable, and the entire appropriation may be spent on the project as so reduced or modified.

2. The Board recognizes funding for the local portion, estimated at $ 1,961,949 is secured and will be appropriated in the Capital and Nonrecurring Fund of the District.

The foregoing resolution was approved by the following roll-call vote: which resulted in a vote:.

TOTAL IN FAVOR: TOTAL OPPOSED: TOTAL ABSENT:

AMITY REGIONAL SCHOOL DISTRICT NO. 5

Bethany Orange Woodbridge

25 Newton Road, Woodbridge Connecticut 06525

Theresa Lumas ***Phone (203) 397-4813***
Director of Finance and Administration ***Fax (203) 397-4864***
terry.lumas@amityregion5.org

To: Dr. Jennifer Byars, Superintendent of Schools

From: Theresa Lumas, Director of Finance and Administration

Re: REVISED Resolutions for Grant Funding for Library Media Center Renovation at Amity Regional High School

Date: April 23, 2024

The Amity Board of Education needs to action on four statements relating to the renovation project at Amity Regional High School in the Library Media Center.

The Amity Board of Education needs to make the resolutions below for the Library Media Center Renovation at Amity Regional High School to qualify for State Funding:

The Amity Regional School District Building Committee recommends the Board of Education approves these resolutions:

The Amity Board of Education approves these resolutions:

(1) **BE IT RESOLVED**, that the Amity Board of Education authorizes the Superintendent to apply to the Commissioner of Administrative Services and to accept or reject a grant for the Library Media Center Renovation inclusive of adjoining classrooms, offices and storage spaces at Amity Regional High School.

(2) **BE IT RESOLVED**, that the Amity Regional School District Building Committee is hereby established as the building committee with regard to the Library Media Center Renovation inclusive of adjoining classrooms, offices and storage spaces at Amity Regional High School. These committee and staff members are appointed to the Amity Regional School District Building Committee: Amity Facilities Committee members, Superintendent, Director of Facilities, Director of Technology, Director of Finance & Administration, Principal ARHS, Associate Principal ARHS, Library Media-Specialist, ARHS and community member(s).

(3) **BE IT RESOLVED**, that the Amity Board of Education hereby authorizes at least the preparation of schematic drawings and outline specifications for the Library Media Center Renovation inclusive of adjoining classrooms, offices and storage spaces at the Amity Regional High School.

(4) **BE IT RESOLVED**, that the Amity Board of Education adopt the Educational Specification as stated here: Educational Specifications for Library Media Center Renovation inclusive of adjoining classrooms, offices and storage spaces at the Amity Regional High School.

a. **RATIONALE:** The Library Media Center has not been renovated in over 25 years. The needs of the students and instructional methods have changed significantly in this time frame. The Library Media Center may not meet the current New England Accreditation of Schools and Colleges (NEASC) standards. The current design of the library media center does not meet the demand for access nor is it conducive to modern learning spaces. Amity Regional High School is a comprehensive 9-12 high school for students residing in the three towns of Bethany, Orange and Woodbridge.
b. **LONG-RANGE PLAN:** The District maintains a 5-year capital plan to identify all of the capital needs of the District.
c. **THE PROJECT:** Renovate the Library Media Center Renovation at the Amity Regional High School. Develop a plan that addresses the learning and teaching styles of today and the future. Specifically add quiet study spaces, collaboration space, small group work, video communication space and an office. Enhanced lighting, new carpet, create small study areas, and upgrade technology available to students. Technology upgrades include digital media studios within the library space. Detailed Educational Specification are attached to this memo.
d. **BUILDING SYSTEMS:** The District developed a long-range plan to address various building and grounds projects to replace, renovate or update. The HVAC system has had major upgrades in the past five years. The school technology infrastructure was upgraded four years ago.
e. **INTERIOR BULDING ENVIRONMENT**: Students were surveyed regarding the current status of the library. The students expressed frustration at the limited space and the type of space available in the library. The current capacity of the library is less than 5% of the student body. Student and staff will benefit from the repurposed space and greater access to the library media services.

New England School Development Council

RSD #05 - Amity Regional School District
Woodbridge, CT

School Year 2023-24 Enrollment Projection Report

Table of Contents

Enrollment Summary

NESDEC is pleased to send you this report displaying the past, present, and projected enrollments for your District. It is important to update enrollment projections every year to identify changes in enrollment patterns. Ten-year projections are designed to provide your District with yearly, up-to-date enrollment information that can be used by boards and administrators for effective planning and allocation of resources.

Included in this report are graphs representing historical and projected grade-by-grade enrollments, as well as historical and projected enrollments in grade combinations. We received the enrollment data from the District, and we assume that the method of collecting this data has been consistent from year to year.

Enrollment projections are more reliable in Years #1-4 in the future and less reliable in the "out-years." Projections six to ten years out may serve as a guide to future enrollments and are useful for planning purposes. In light of this, NESDEC has added a "Spring Update Refresher" enrollment projection at no cost to affiliates. For more information, please refer to the Methodology, Reliability and Use of this Document section.

The NESDEC enrollment projection fell within 51 students of the 7-12 total, 2,099 students projected vs. 2,048 enrolled.

Births increased by 31 from a previous ten-year average of 190 to a projected average of 221. In most districts, Grades 1-8 are very stable in enrollments. However, there have been increases in 8 of the 8 most recent years, leading to a net increase averaging 53 students per year. One variance of 23 students occurred at Gr. 8, 370 projected vs. 347 enrolled.

Over the next three years, Grades 7-8 enrollments are projected to increase by 52 students and Grades 9-12 enrollments are projected to decrease by 14 students, as students move through the grades.

Historical Enrollment

School District: RSD #05, CT **12/18/2023**

Historical Enrollment By Grade																			
Birth Year	Births*	School Year	PK	K	1	2	3	4	5	6	7	8	9	10	11	12	UNGR	K-12	PK-12
2008	167	**2013-14**	60	268	324	313	313	372	370	375	392	369	344	386	417	416	0	4659	4719
2009	173	**2014-15**	67	295	287	334	326	321	392	371	381	401	362	360	398	433	0	4661	4728
2010	165	**2015-16**	66	268	303	301	342	326	332	397	371	381	363	363	351	389	0	4487	4553
2011	197	**2016-17**	76	289	304	309	321	344	339	330	391	373	375	358	359	346	0	4438	4514
2012	187	**2017-18**	86	303	311	316	328	336	352	353	327	394	373	378	362	363	0	4496	4582
2013	200	**2018-19**	80	303	327	317	320	336	356	353	338	324	376	363	380	361	0	4454	4534
2014	193	**2019-20**	59	343	314	333	335	331	356	364	352	356	326	389	360	391	0	4550	4609
2015	201	**2020-21**	83	313	338	312	342	357	329	352	355	355	361	330	388	381	0	4513	4596
2016	201	**2021-22**	94	322	342	358	329	365	355	337	353	359	326	359	319	405	0	4529	4623
2017	216	**2022-23**	100	313	333	349	373	350	375	363	361	371	325	325	353	315	15	4521	4621
2018	210	**2023-24**	106	343	334	359	350	385	347	387	357	347	342	320	322	360	0	4553	4659

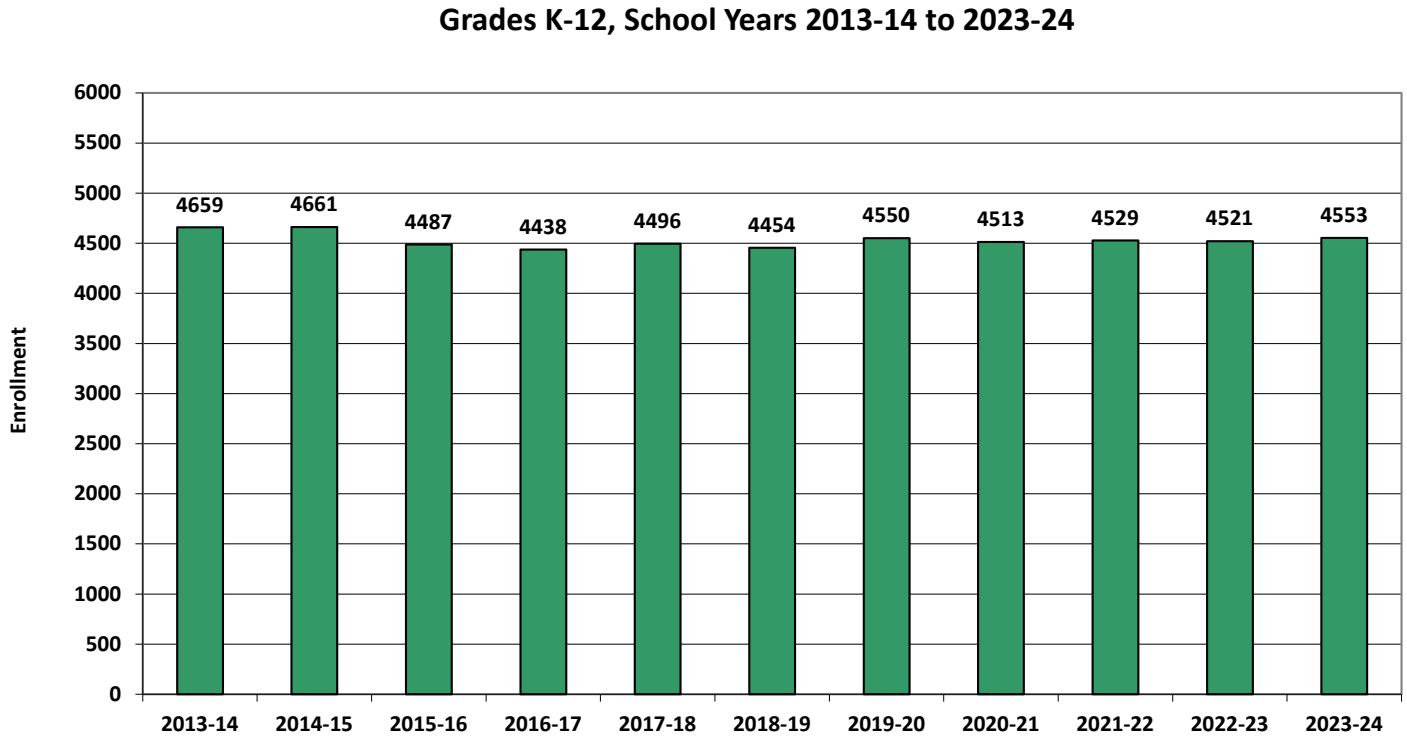
*Birth data provided by Public Health Vital Records Departments in each state.

** < 10 Not reported, to protect subgroups with fewer than 10 students.

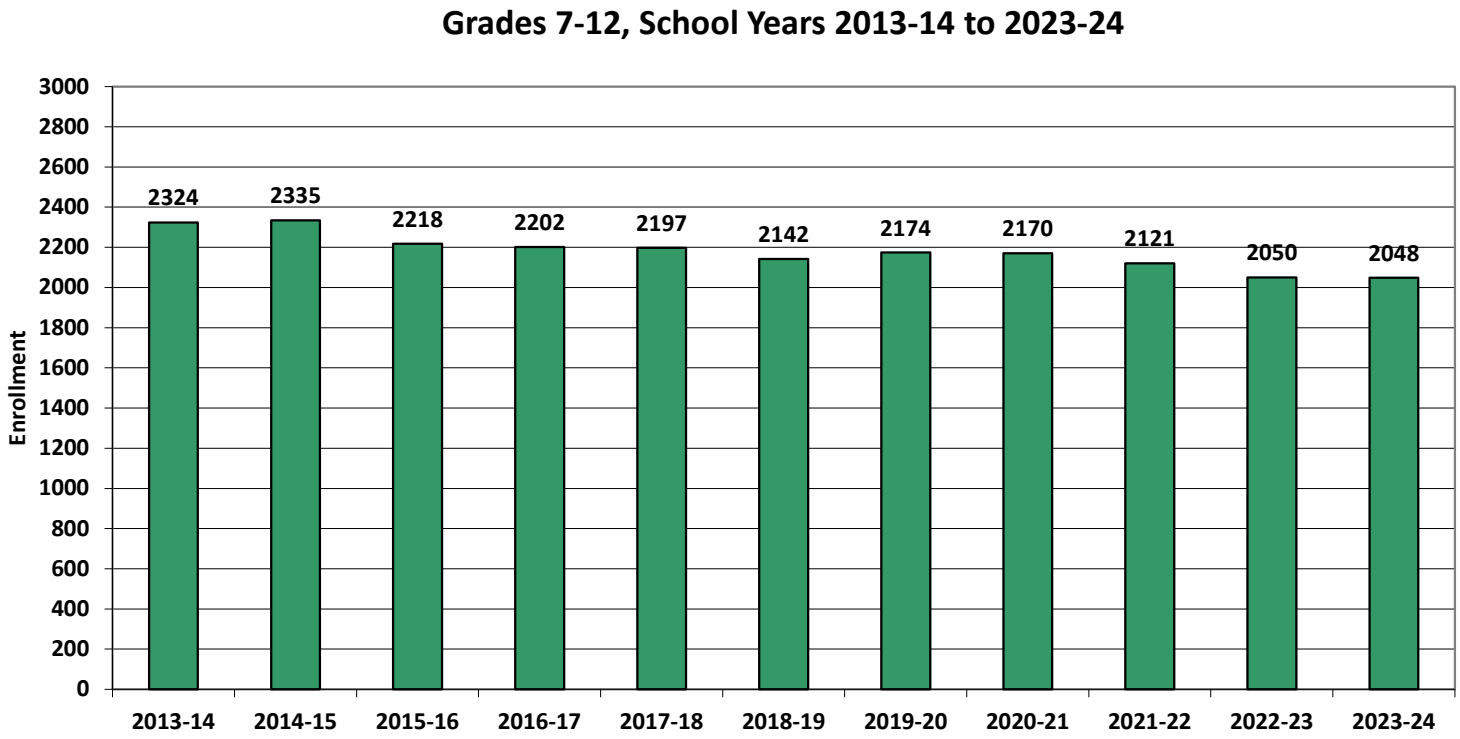
Historical Enrollment in Grade Combinations									
School Year	PK-6	K-6	K-5	K-8	PK-8	6-8	7-8	7-12	9-12
2013-14	2395	2335	1960	3096	3156	1136	761	2324	1563
2014-15	2393	2326	1955	3108	3175	1153	782	2335	1553
2015-16	2335	2269	1872	3021	3087	1149	752	2218	1466
2016-17	2312	2236	1906	3000	3076	1094	764	2202	1438
2017-18	2385	2299	1946	3020	3106	1074	721	2197	1476
2018-19	2392	2312	1959	2974	3054	1015	662	2142	1480
2019-20	2435	2376	2012	3084	3143	1072	708	2174	1466
2020-21	2426	2343	1991	3053	3136	1062	710	2170	1460
2021-22	2502	2408	2071	3120	3214	1049	712	2121	1409
2022-23	2556	2456	2093	3188	3288	1095	732	2050	1318
2023-24	2611	2505	2118	3209	3315	1091	704	2048	1344

Historical Percentage Changes			
School Year	K-12	Diff.	%
2013-14	4659		
2014-15	4661	2	0.0%
2015-16	4487	-174	-3.7%
2016-17	4438	-49	-1.1%
2017-18	4496	58	1.3%
2018-19	4454	-42	-0.9%
2019-20	4550	96	2.2%
2020-21	4513	-37	-0.8%
2021-22	4529	16	0.4%
2022-23	4521	-8	-0.2%
2023-24	4553	32	0.7%
Change		**-106**	**-2.3%**

Grades K-12 Historical Enrollment



Grades 7-12 Historical Enrollment



Projected Enrollment

School District: RSD #05, CT **12/18/2023**

Enrollment Projections By Grade*																				
Birth Year	Births*		School Year	PK	K	1	2	3	4	5	6	7	8	9	10	11	12	UNGR	K-12	PK-12
2018	210		2023-24	106	343	334	359	350	385	347	387	357	347	342	320	322	360	0	4553	4659
2019	214		2024-25	100	334	365	352	371	369	387	356	387	360	318	339	314	327	0	4579	4679
2020	218		2025-26	100	340	356	384	364	391	371	397	356	390	329	315	332	319	0	4644	4744
2021	218	(prov.)	2026-27	100	340	362	375	397	384	393	381	397	359	357	326	309	338	0	4718	4818
2022	238	(prov.)	2027-28	100	372	362	381	387	419	386	403	381	400	329	354	320	314	0	4808	4908
2023	220	(est.)	2028-29	100	343	396	381	394	408	421	396	403	384	366	326	347	325	0	4890	4990
2024	222	(est.)	2029-30	100	346	365	417	394	415	410	432	396	406	351	363	320	353	0	4968	5068
2025	223	(est.)	2030-31	100	348	368	384	431	415	417	421	432	399	372	348	356	325	0	5016	5116
2026	224	(est.)	2031-32	100	350	370	387	397	454	417	428	421	435	365	369	341	362	0	5096	5196
2027	225	(est.)	2032-33	100	352	373	389	400	419	456	428	428	424	398	362	362	347	0	5138	5238
2028	223	(est.)	2033-34	100	348	375	393	402	422	421	468	428	431	388	395	355	368	0	5194	5294

Note: Ungraded students (UNGR) often are high school students whose anticipated years of graduation are unknown, or students with special needs - UNGR not included in Grade Combinations for 7-12, 9-12, etc.

Based on an estimate of births Based on children already born Based on students already enrolled

*Birth data provided by Public Health Vital Records Departments in each state.

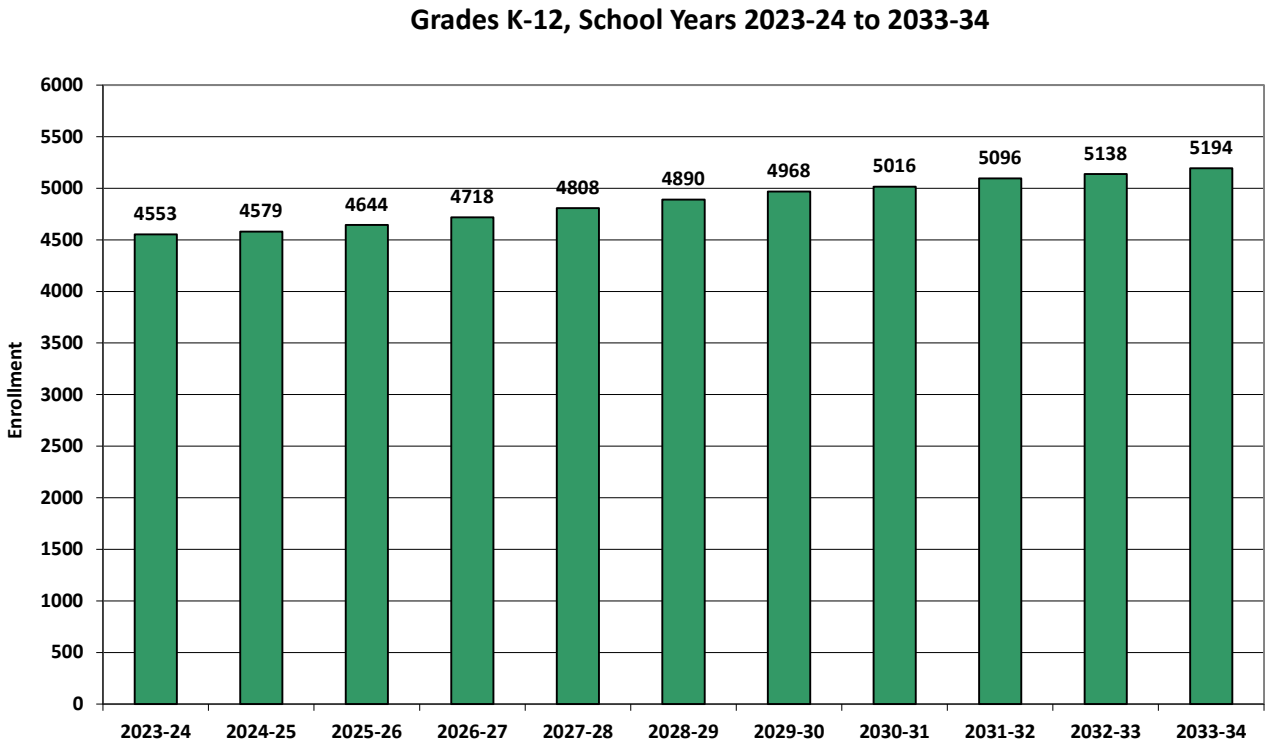
** < 10 Not reported, to protect subgroups with fewer than 10 students.

Projected Enrollment in Grade Combinations*									
School Year	PK-6	K-6	K-5	K-8	PK-8	6-8	7-8	7-12	9-12
2023-24	2611	2505	2118	3209	3315	1091	704	2048	1344
2024-25	2634	2534	2178	3281	3381	1103	747	2045	1298
2025-26	2703	2603	2206	3349	3449	1143	746	2041	1295
2026-27	2732	2632	2251	3388	3488	1137	756	2086	1330
2027-28	2810	2710	2307	3491	3591	1184	781	2098	1317
2028-29	2839	2739	2343	3526	3626	1183	787	2151	1364
2029-30	2879	2779	2347	3581	3681	1234	802	2189	1387
2030-31	2884	2784	2363	3615	3715	1252	831	2232	1401
2031-32	2903	2803	2375	3659	3759	1284	856	2293	1437
2032-33	2917	2817	2389	3669	3769	1280	852	2321	1469
2033-34	2929	2829	2361	3688	3788	1327	859	2365	1506

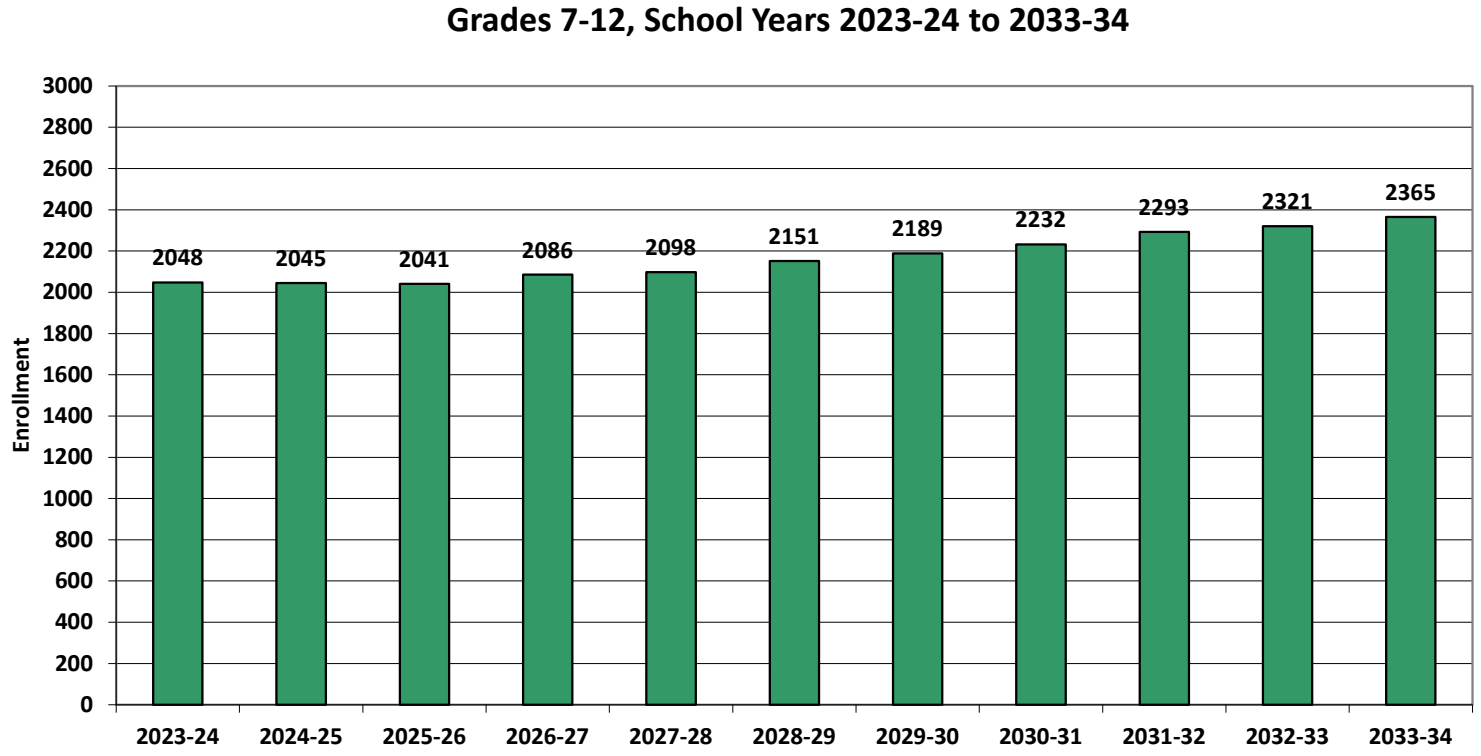
Projected Percentage Changes			
School Year	K-12	Diff.	%
2023-24	4553		
2024-25	4579	26	0.6%
2025-26	4644	65	1.4%
2026-27	4718	74	1.6%
2027-28	4808	90	1.9%
2028-29	4890	82	1.7%
2029-30	4968	78	1.6%
2030-31	5016	48	1.0%
2031-32	5096	80	1.6%
2032-33	5138	42	0.8%
2033-34	5194	56	1.1%
Change		641	14.1%

*Projections should be updated annually to reflect changes in in/out-migration of families, real estate sales, residential construction, births, and similar factors.

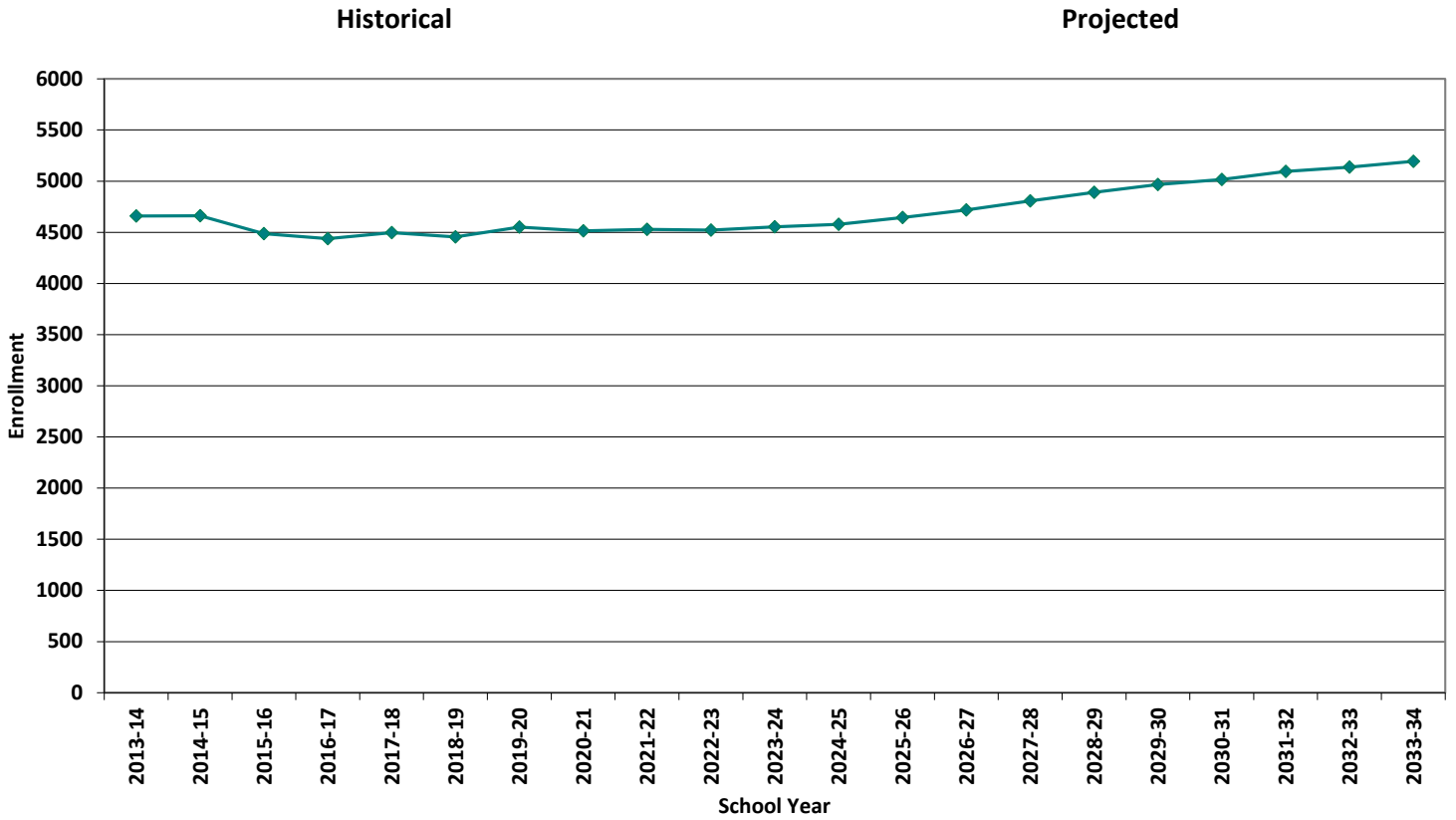
Grades K-12 Projected Enrollment



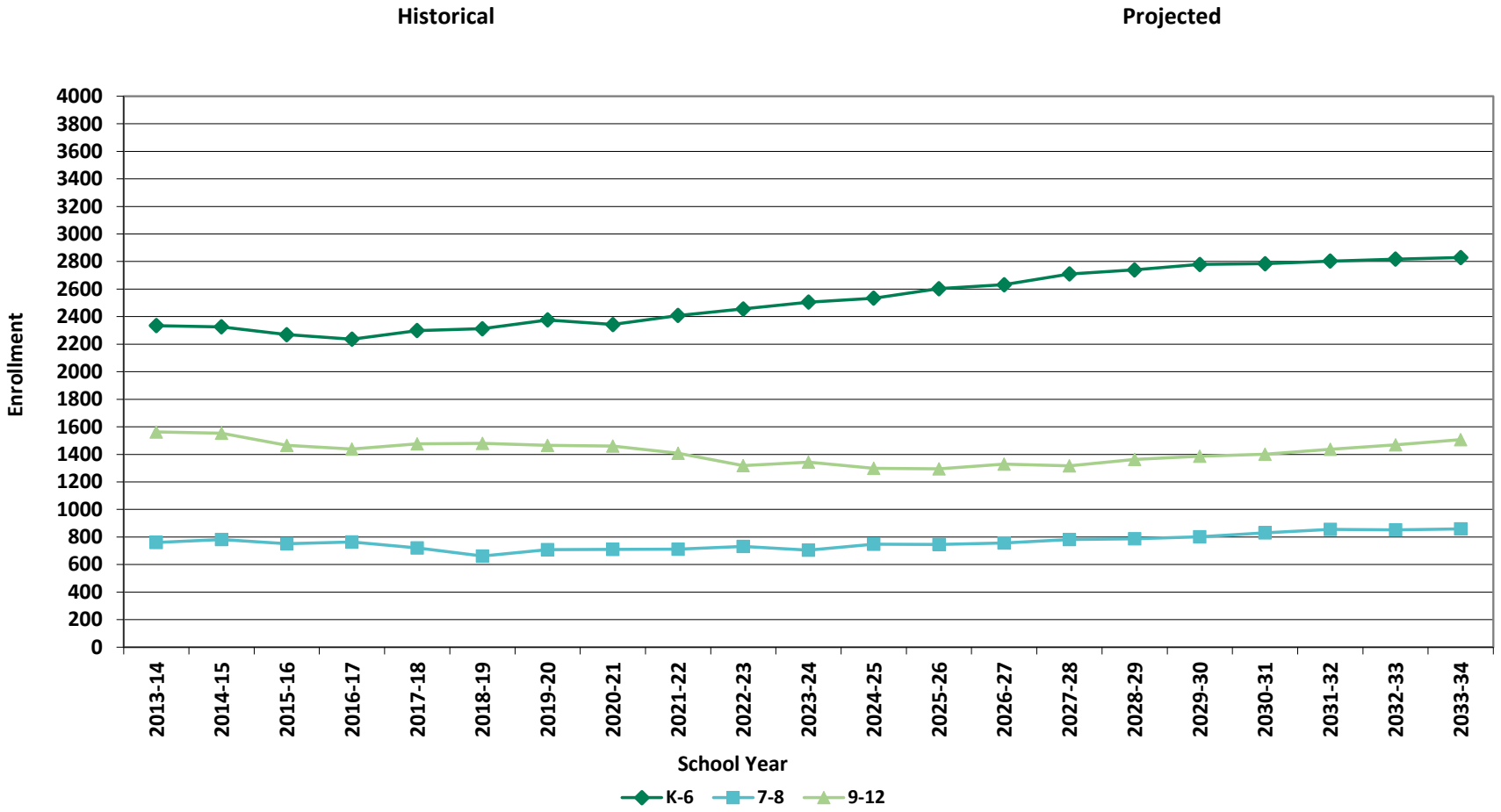
Grades 7-12 Projected Enrollment



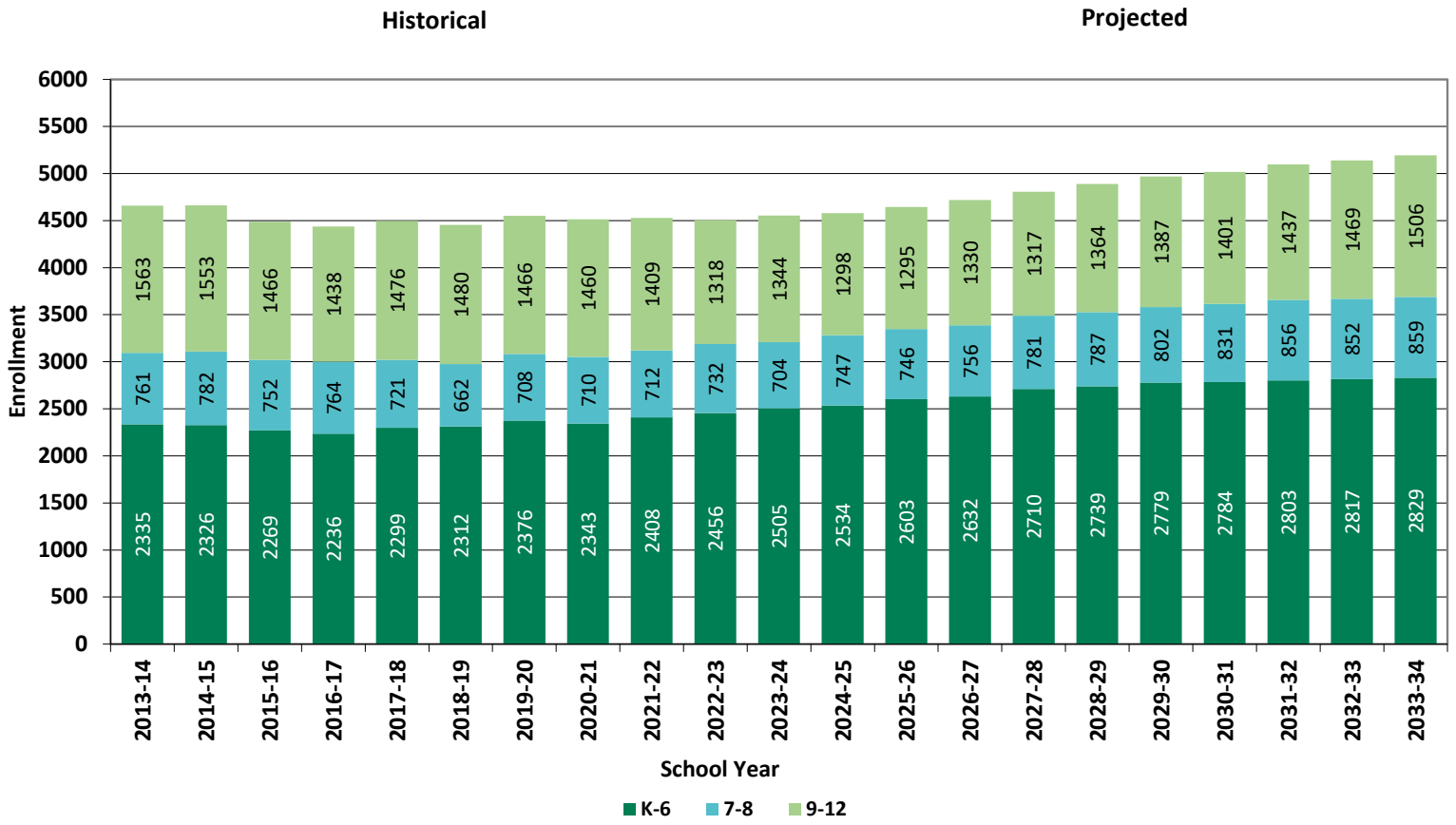
Grades K-12 Historical & Projected Enrollment



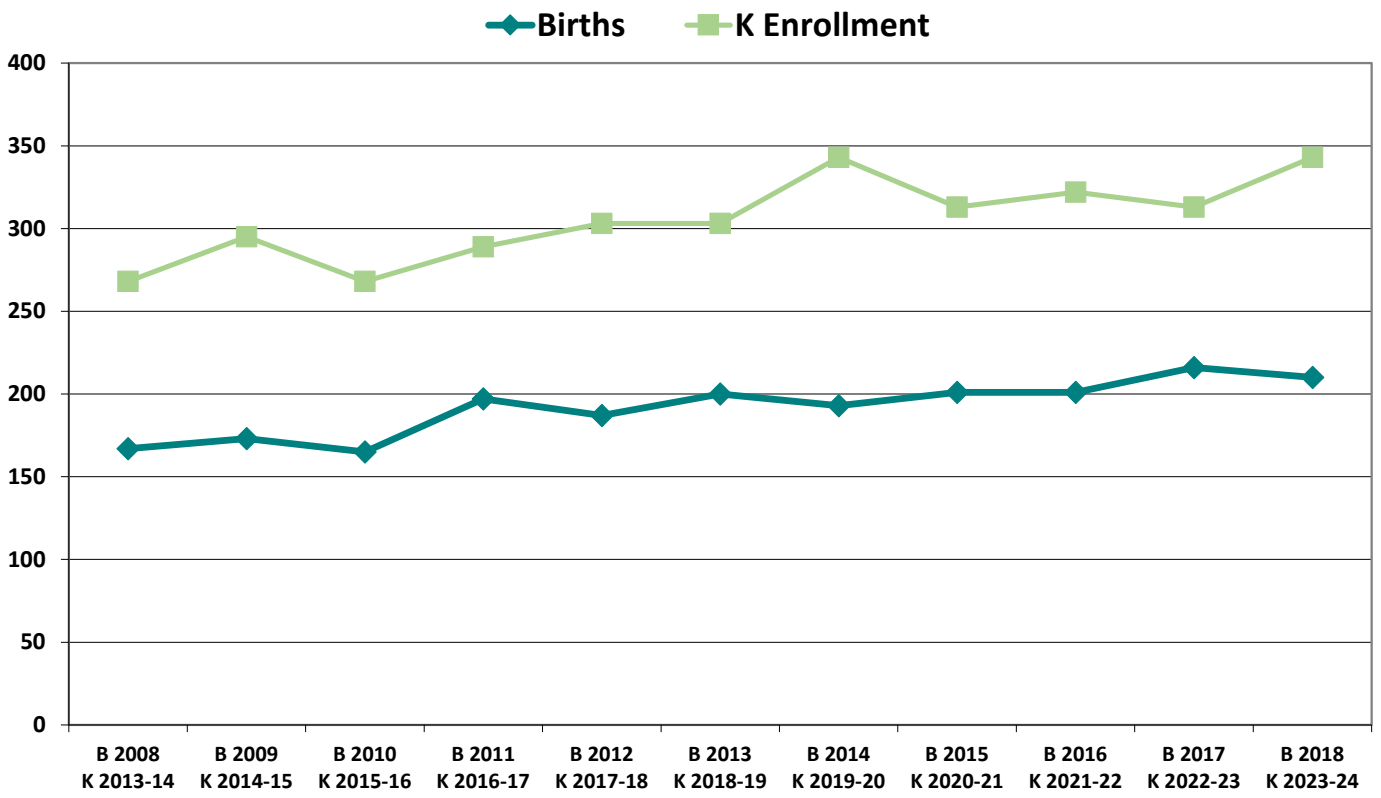
Historical & Projected Enrollments in Grade Combinations



Historical & Projected Enrollments in Grade Combinations



Birth-to-Kindergarten Relationship



Additional Information

Building Permits Issued (Source: HUD)		
Year	Single-Family	Multi-Units
2019	5B, 21O, 4W	0
2020	6B, 17O, 3W	0
2021	7B, 29O, 5W	8W
2022	4B, 4O, 6W	53O
2023	6B, 1O, 3W to date	5O, 2W to date

Key: B - Bethany, O -Orange, W - Woodbridge

School Year	9 - 12 CTE	7- 12 Non-Public	7 - 12 Choice-In	7 - 12 Choice-Out	7 - 12 Out-of-District SPED	7 - 12 Homeschool
2019-20	14	n/a	25	< 10 **	26	< 10 **
2020-21	29	18	10	< 10 **	34	16
2021-22	13	n/a	26	< 10 **	34	20
2022-23	45	10	43	< 10 **	15	< 10 **
2023-24	45	n/a	43	0	23	15

*The above data was provided by the District, with the exception of building permit data (provided by HUD).
"n/a" signifies that information was not provided by District.
** < 10 Not reported, to protect subgroups with fewer than 10 students.

New England's PK-12 Enrollments Trends

From 2021 to 2030, the US Department of Education anticipates changes in PK-12 enrollment of -3.2% in the South, -6.0% in the West, -3.9% in the Midwest, -6.0% in the Northeast, and a total of -4.4% nationwide.

State	Fall 2021 PK - 12	Fall 2030 Projected	PK-12 Decline	% Change 2021-2030
USA	49,452,864	47,252,500	-2,200,364	-4.4%
CT	508,686	475,600	-33,086	-6.5%
ME	173,215	161,800	-11,415	-6.6%
MA	921,180	879,900	-41,280	-4.5%
NH	170,005	144,600	-25,405	-14.9%
RI	138,566	130,200	-8,366	-6.0%
VT	83,975	74,600	-9,375	-11.2%

Source: U.S. Department of Education, National Center for Education Statistics**,** Enrollment in public elementary and secondary schools, by region, state, and jurisdiction: Selected years, fall 1990 through fall 2030, Table 203.20, March 2023.

Although most New England Districts are seeing a decline in the number of births, NESDEC's experience indicates that the impact on enrollment varies from District to District. Almost half of New England Districts have been growing in PK-12 enrollment, and a similar number are declining (often in rural areas), with the other Districts remaining stable.

Methodology, Reliability and Use of this Document

PROJECTION METHODOLOGY

Cohort component (survival) technique is a frequently used method of preparing enrollment forecasts. NESDEC uses this method, but modifies it in order to move away from forecasts that are wholly computer- or formula-driven. Such modification permits the incorporation of important, current district-specific demographic information into the generation of enrollment forecasts (such as in/out-migration of students, resident births, HUD-reported building permits, etc.). Percentages are calculated from the historical enrollment data to determine a reliable percentage of increase or decrease in enrollment between any two grades. For example, if 100 students enrolled in Grade 1 in 2022-23 increased to 104 students in Grade 2 in 2023-24, the percentage of survival would be 104%, or a ratio of 1.04. Ratios are calculated between each pair of grades or years in school over several recent years.

After study and analysis of the historical ratios, and based upon a reasonable set of assumptions regarding births, migration rates, retention rates, etc., ratios most indicative of future growth patterns are determined for each pair of grades. The ratios thus selected are applied to the present enrollment statistics to project into future years. The ratios are the key factors in the reliability of the projections, assuming validity of the data at the starting point.

RELIABILITY OF ENROLLMENT PROJECTIONS

Projections can serve as useful guides to school administrators for educational planning. Enrollment projections are more reliable in Years #1-4 in the future and less reliable in the "out-years." Projections six to ten years out may serve as a guide to future enrollments and are useful for planning purposes, but they should be viewed as subject to change given the likelihood of potential shifts in underlying assumptions/trends, such as student migration, births as they relate to Kindergarten enrollment, and other factors.

Projections that are based upon **the children who already are in the district** (the current K-12 population only) will be the most reliable. The second level of reliability will be for those children already **born into the community but not yet old enough to be in school.** The least reliable category is the group for which an estimate must be made **to predict the number of births**, thereby adding additional uncertainty. See these three multi-colored groupings on the "Projected Enrollment" tab.

Annual updates allow for early identification of recent changes in historical trends. When the actual enrollment in a grade is significantly different (higher or lower) from the projected number, it is important (yet difficult) to determine whether this is a one-year aberration or whether a new trend may have begun. **In light of this possibility, NESDEC urges all school districts to have updated enrollment forecasts developed by NESDEC each October.** This service is available at no cost to affiliated school districts.

USING THIS INFORMATION ELECTRONICALLY

If you would like to extract the information contained in this report for your own documents or presentations, you can use screenshots, which can be inserted into PowerPoint slides, Word documents, etc. Because screenshots create graphics, the image is not editable. Please feel free to contact us if you need assistance in this matter, by phone (508-481-9444) or by email (ep@nesdec.org).

Amity Regional School District No. 5
Woodbridge, Connecticut

EDUCATIONAL SPECIFICATIONS
For Amity Regional High School Library / Media Center Improvements
25 Newton Road
Woodbridge, CT 06525

Jennifer Byars, Superintendent of Schools
Frank Purcaro, Assistant Superintendent
Andrew Hauser, Principal Amity Regional High School

Purpose:
Over the years, the library media center has lost a significant amount of classroom / lab, storage, and office space to other academic programs. As a result of the library's current space limitations there is inadequate quiet reading space, limited potential for book display or signage, no area for recording podcasts or holding zoom meetings, which is increasingly in demand, and there is no ability to host small meetings or perform testing without closing the library in part or in full.

In addition to space limitations, the lighting is inadequate, the circulation desk is oversized and lacks appropriate sightlines to all corners of the library as well as exits/entrances, and the HVAC system is not functioning properly resulting in daily use of a portable dehumidifier.

The goal of the interior renovation project would be to reclaim space that was originally designed and intended for library space. It would provide two recording rooms for podcasts, video conferencing and recording, have the ability to host presentations, classes, or other events with minimal disruption to other library functions, provide quiet reading areas away from activity areas, provide office space for the library staff, added storage for library materials and right-size the circulation desk with proper sightlines. New LED lighting would be provided throughout the space, improved acoustics, new interior finishes and furnishings and the HVAC system would be modified to address humidity control and fresh air.

Enrollment Data: NESDEC Report is attached.

Nature and Organization of Education Program: Amity Regional High School is a comprehensive 9-12 high school for students residing in the three towns of Bethany, Orange and Woodbridge.

Space Needs:
*All spaces will receive new LED light fixtures, additional power and data connections, and benefit from new, dedicated HVAC units with humidity control and fresh air ventilation.

- Library Entrance:
    - Dedicated set of double-doors for entry and dedicated set of double-doors for exit.
    - Display shelving for books and objects; height not to exceed 48" for visibility.
    - Carpet tile flooring, resilient base, painted walls, and acoustical ceiling tiles.
    - Lockable
- Circulation Desk:
    - Provide seating for (3) staff members.
    - Centrally located for sightlines to all points of the library.
    - Depressible book drop
    - Staff computers, monitors, telephone, scanners, and printers.
    - Carpet tile flooring, resilient base, painted walls, and acoustical ceiling tiles.
- Library Classroom (740 SF):
    - Seating / desks for (30) students.
    - Teacher desk, task chair and file cabinets.
    - Smartboard, Promethean Board or equivalent digital classroom display.

    - White boards and tack boards.
    - Staff computer, monitor and telephone.
    - Resilient flooring, resilient wall base, painted walls, and acoustical ceiling tiles.
    - Interior privacy shades at window and door glazing.
    - Lockable.
- Recording (182 SF):
    - Green screen and video recording equipment
    - Seating for (4) students
    - Mobile tables
    - Acoustical wall panels for soundproofing.
    - Whiteboards and tack boards.
    - Carpet tile flooring, resilient wall base, painted walls, and acoustical ceiling tiles.
- Podcast (125 SF):
    - Seating for (3) students
    - Mobile table
    - Recording equipment
    - Acoustical wall panels for soundproofing.
    - Whiteboards and tackboards
    - Carpet tile flooring, resilient wall base, painted walls, and acoustical ceiling tiles.
- Stack and Seating Area:
    - Approximately 3,033 linear feet on new library shelving
    - Study carrels.
    - Lounge seating w/ occasional tables.
    - Mix of mobile collaborative tables and chairs, and fixed, high-top collaborative tables and chairs.
    - Resilient flooring, carpet tile flooring, resilient base, painted walls, and acoustical ceiling tiles.
    - Acoustical light fixtures and ceiling baffles in high volume, vaulted ceiling.
    - Wall-mounted digital display and mobile digital display.
    - Manual solar shades at exterior windows. Motorized solar shades at vaulted windows.
    - Wireless access points
- Reading Room (980 SF):
    - Study carrels.
    - Lounge seating w/ occasional table and pull-up worktables.
    - High-top gathering tables w/ modular seating.
    - Mobile lounge chairs w/ table arms.
    - Carpet tile flooring, resilient wall base, painted walls, and acoustical ceiling tiles.
    - Manual solar shades at exterior windows.
    - Wireless access points
- Library Director’s office:
    - (2) Staff desks and task chairs.
    - (2) Guest chairs
    - Lateral files and bookshelves.
    - Storage closet; resilient flooring, resilient wall base, painted walls and acoustical ceiling tile.
    - Millwork base and upper cabinets with sink.

    - Whiteboards and Tack boards.
    - Staff computers, monitors, and telephones.
    - Carpet tile flooring, resilient wall base, painted walls, and acoustical ceiling tiles.
    - Interior privacy shades at window and door glazing.
    - Lockable
- Tech Services:
    - Reception desk and task chair
    - (3) Workstations with task chairs.
    - Staff computers, monitors and telephones.
    - Large format black and white copier and color copier.
    - Files and storage cabinets
    - Lockable
- Tech Storage (small):
    - Shelving for computer equipment.
    - Resilient flooring, resilient wall base, painted walls, and acoustical ceiling tiles.
    - Lockable
- Tech Storage (large):
    - (1) workstation and task chair
    - Staff computer, monitors, and telephone.
    - (1) large, mobile worktable.
    - Mix of opening shelving and closed, double-door storage cabinets.
    - Resilient flooring, resilient base, painted walls, and acoustical ceiling tiles.
    - Lockable.
- Server:
    - Static dissipative flooring, resilient wall base, painted walls, and acoustical ceiling tiles.
    - Climate controlled.
    - Server racks and demarcation point.
    - Lockable.
- Non-Library Classroom (762 SF)
    - Seating / desks for (30) students.
    - Teacher desk, task chair and file cabinets.
    - Smartboard, Promethean Board or equivalent digital classroom display.
    - White boards and tack boards.
    - Staff computer, monitor and telephone.
    - Resilient flooring, resilient wall base, painted walls, and acoustical ceiling tiles.
    - Millwork base and upper cabinets.
    - Lockable