

Tolland School System

TOOLS FOR SCHOOL

2016/2017 ANNUAL REPORT

SCHOOL: Tolland High School: One Eagle Hill

TEAM MEMBERS: Dominique Fox - Principal & Coordinator
Dennis Vendrillo, Head Custodian
Jim Benini, Technical Education Teacher
Sue Fontaine, Science Teacher/TALC Coordinator
Ernie Fontaine, Science Teacher
Cindy Davidson, R.N., School Nurse
Chris White - Energy Manager
Peter Sztaba - Director of Maintenance
John Stake - IT Department
Sue Keane - Parent/Secretary

SCHOOL CENSUS: 9th grade: 209 10th grade: 200 11th grade: 208 12th grade: 193 TALC: 7
127 adults (including cafeteria, maintenance personnel, district staff housed at THS, and SROs)

YEAR OF CONSTRUCTION: 2006

GOAL ACHIEVEMENTS/ACCOMPLISHMENTS FOR YEAR 2015/2016:

Team met two times: Fall 2016 & Spring 2017
Principal and school secretary meet quarterly prior to District Safety Committee meeting
Survey completed: May 23, 2017 - June 9, 2017
Walk About Assessment: May 19, 2017 (Exterior) & May 19, 2017 (Interior)

2016/2017 Goals Update

NOTE: The ADA warning tactile strips in the front of the school building were repaired in 2016. However, there are still some areas that are in need of repair, particularly in the rear and sides of the building.

Short Term Goals:

Recommend leaving a/c on for summer months to band room and auditorium to prevent mold issues per EPA New England Indoor - Completed

Air Quality Tools for Schools Summer tips.

"Schools in humid climates that are close up over the summer may need to keep ventilation running and monitor humidity levels within the building to a level below 60%. Also, a weekly check for Mold growth (sight and smell) is a good practice."

Plan abbreviated IAQ survey for January 2017 on general cleanliness and other areas of concerns - **Not completed**

Repair plumbing leak in Room 215 ASAP as it is causing issues as well in Room 215 below it. - **Completed**

Continue to report TFS at Safety meeting. - **Completed**

Medium Term Goals:

Increase the diversity with respect to membership participation through the inclusion of either a paraprofessional, teacher from Technology Department, Family & Consumer Science, etc.) - **Completed**

Improve positive responses by the percentages noted for the following questions: (Responses are unfavorable - down 38% and 18% respectively from previous year)

Is your room clean? - Down 38%

Is your room dusted and vacuumed thoroughly and regularly? - Down 18%

Long Term Goals:

Develop custodial checklists to ensure cleaning is being completed in a consistent fashion. - **Not completed**

Explore the use of perimeter spray in working with Richland Pest Control to further keep pests and insects out of building - **Not completed**

Thermal

- November 2016 - March 2017 - There continues to be numerous teacher and staff complaints regarding extreme temperatures in classrooms. These include both hot and cold temperatures. No pattern has been observed with

respect to extreme temperature fluctuations in classrooms on the first or second floor in the academic wing or in the technical wing.

- Thermal regulations are in place for both classrooms and hallways and are monitored by the Director of Maintenance.
- Returns were quite dirty/dusty and need to be vacuumed twice per year.
- 25 Yes (46%)/29 No (54%) - feel the room is comfortable (down 9% from last year, down 1% over a two-year span)
- 41 Yes (79%)/11 No (21%) - feel the humidity is acceptable >60% is too high, <30% is too low (up 33% from last year, up 40% over a two-year span)
- Staff comments:
 - The counseling suite is absolutely freezing
 - The temperature is not consistent. In the winter, the heat blasts in the winter. Block 1 is a sauna and uncomfortable. By Block 3, the heat turns completely off and cold air comes out and the room feels like an icebox.
 - Often too cold or too hot
 - The room is always extremely cold
 - Heat is very inconsistent during in the winter months.

Walk Around Observations (Thermal):

- On walk around: comfortable to group walking around
- Windows & doors are closed during heating season
- Blinds open to take advantage of natural lighting when possible
- Blinds closed when direct sunlight enters rooms during summer months

Ventilation System:

- Unit ventilators cleaned annually by custodians
- Unit ventilator filters were changed and bearings lubed in August, December, and April.
- Fewer incidents this school year of gas smell in Room 93 and professional kitchen area continue to be addressed by the Director of Maintenance. However, the room was not utilized in the second half of the year as a result of a new teacher being hired.
- Minimal complaints regarding odors in classrooms between November 2016 - March 2017
- Staff encouraged to keep food items in air tight containers
- No students sent home with asthma, nausea, vomiting, headaches, and dizziness due to air quality issues.
- 0 Yes (0%)/50 No (96%)/1 Sometimes (2%)/1 From plants in courtyard - smell mold or mildew in their classroom (down 1% from last year)

Walk Around Observations (Ventilation System):

- Vents have extensive dust and must be vacuumed at least twice per year.
- All girls and boys restrooms have very dusty air vents.
- HVAC/vent by Room 41 missing small part of ceiling tile

Moisture Concerns:

- Drain traps
 - 14 yes (26%)/1 no (2%)/39 NA (72%) - "u" joint with water weekly (up 21% from last year)
 - 7 yes (13%)/6 no (11%)/41 NA (76%) - Are drain traps filled regularly? (up 2% from last year)
- Ceiling tiles
 - 44 yes (82%)/10 no (19%) - Are ceiling tiles or walls leek free? (up 2% from last year)
 - 25 yes (49%)/6 no (2%)/25 NA (49%) - Is are flowing from the room without obstruction? (down 8% from last year)
- Staff comments:
 - Door and exhaust vent in kiln room in Room 77 is rusted.
 - A couple of ceiling tiles above the empty magazine racks in the Library Media Center have some serious staining on them.
 - The men's staff bathroom upstairs consistently has a standing puddle in it.
 - Multiple reports of stained ceiling tiles

Walk Around Observations (Moisture Concerns):

- Ceiling tiles stained outside of Room 77; In Child Development hallway; Near Room 87 restroom; By room 64, 56, 45, and 62
- Foyer by Room 73; Water on floor dripping from HVAC/vent with water marks on the ceiling tiles as well.
- Two 8-20 inch ceiling tile stains near Room 35

- A few wet marks are on the ceiling tiles at the entrance to the science/social studies wing by the women's room upstairs
- Wet marks on ceiling tile near motion detector outside of Room 215

General Cleanliness:

- 14 yes (28%)/9 no (17%)/30 sometimes (56%) - Is your room clean? (down 38% from last year)
- 3 yes (6%)/39 no (72%)/12 sometimes (22%) - Is your room dusted and vacuumed thoroughly and regularly (down 18% from last year)
- 48 yes (89%)/6 no (11%)/ - Is your room free of pests?
- 4 Yes (7%)/9 No (9%) /45 NA (83%) - Is animal food stored tightly in sealed containers?
- Richland Pest Control continues to handle all areas where evidence of pests exist
- Staff utilizing only custodian provided "green cleaners"
 - No non-green cleaners seen during walk about when cabinets/under sinks checked
- Noted medical concerns
 - Students diagnosed with asthma 220/817 (27%)
 - 20 students have inhalers in the nurse's office
 - 15 students have permission to carry inhalers in school
 - 6 students who are insulin dependent diabetics, one staff member
 - 3 people immuno-compromised, on chemotherapy
- 35 cases of Flu syndrome
- Staff comments
 - Carpet is never vacuumed
 - My classroom is never dusted unless I do it myself
 - My room is rarely swept
 - My room does not get mopped on a daily basis
 - Paper towels and soap dispensers are not always checked

INTERIOR INSPECTION:

Carpets

- School entry floor mats at front and main entrance are removable and are cleaned on a yearly basis.

Walls, Tiles, and Floors

- Missing tile
 - Near courtyard door opposite Room 107
- Cracks in vinyl composition tile
 - Room 80
 - Hallway leading to Room 93
 - Lengthy crack on first floor in English hallway outside Stairwell and Room 101
 - Room 126
 - Room 135
- Large settling cracks throughout the academic and technical wing on walls (above and on side of doors)
 - Room 52B, 59, 65, 73, 75, 77, 85
- Several stone tiles in the main entrance area are cracked
- Chips in blocks opposite weight room

Elevator

- Carpet in elevator was cleaned in the summer of 2016
- Director of Maintenance is looking to replace carpet with a different product during 2017-2018 school year
- As noted in last year's report, tracks need to be cleaned

Miscellaneous Walk Around Observations (Interior):

- 1st and 2nd floor cleanliness
 - Hallways and classrooms are dusty
 - Classrooms do not appear to have been mopped in some time
 - Trash, papers, gum wrapper are scattered about in different areas
 - Most water fountains have not been dusted
- Cafeteria:
 - Outlet cover missing on USB on Perseverance pillar
 - Two pillars (integrity and engagement) are no longer aligned

- Pipe from the old water machine is sticking out into the room
- Faculty Dining Room:
 - Rust on both heating units
- Kitchen:
 - Cleaning supplies (bleach and ammonia) separated
 - Food away from cleaning supplies
 - All food in air tight containers
- Stairwells
 - Stair skirt needs to be cleaned more regularly
 - Radiators need to be dusted more regularly
 - Windows sills need to be dusted more regularly
- Library
 - Computer lab - As noted in the 2016 TFS report, desks and floors are not cleaned on a regular basis
- Locker Rooms:
 - 2 Yes (4%)/0 No (33%)/51 N/A (96%) - locker room cleaned regularly and properly
 - 1 Yes (2%)/1 No (2%) - showers in the locker room cleaned regularly and properly (up 25% from last year)
 - Several gymnasiums wall mats which were ripped in both the main gym and auxiliary gym were replaced. One still remains in the main gym and one mat in the auxiliary gym is not on the wall.
- Custodial closets
 - Noted to be tidy
 - Supplies in original bottles
 - Chemicals in appropriate labeled bottles
 - Rinsing areas are dry and no active dripping of water
 - No battery storage noted
 - Aroma clean, no must/mildew noted.

EXTERIOR/OUTDOOR INSPECTION:

Ground Level - General Comments

- Tolland High School was built in 2006.
- Richland Pest Control sprayed during in April in an effort to keep pests and insects out of building.
- "No parking/standing" signs are installed at front and rear entrances as well as at the loading dock.

Parking Lot/Sidewalks:

- Signage placed on emergency fire lane in rear of school
- Lines in parking lot repainted in 2016
- Extensive damage to ADA warning tactile strips in the rear and side of the school building
- Rear and side walkways show evidence of severe damage
- Grout between sidewalk in rear of building continues to worsen
- Some curbing/sidewalk damage in front of building remains but much of it was repaired in 2016

Roof:

- No ponding around air vents noted
- No tree branches resting on roof
- Intakes free of debris
- Plumbing stacks 10 feet away from outdoor air intakes
- Roof appears intact
- Sky light flashings intact
- Six breaks in lightning protection

Rear Entrance to Building:

- Benches are rusted, dented, and damaged
- Paint chipping around overhead door

Rear Loading Dock:

- Large cement crack apparent
- Paint chipping around overhead door
- Steel doors need to be painted

Front Loading Dock:

- Paint chipping around overhead door
- Severe stair damage
- Severe damage to sleeves of railing
- One dumpster lid open outside front loading dock

Miscellaneous Walk-Around Observations (Exterior/Outdoor):

- Foundation intact- no leaking noted
- No water ponding noted within 50 feet of school
- Playground
 - Cinder block damage near playground
- Greenhouse
 - Corner of greenhouse damaged
 - Windows are discolored
- Weeds - extensive growth apparent...
 - Outside greenhouse
 - Around fence of playground area
- Live and dormant bees and mud wasps' nests outside various rooms (45, 47, 113, 217, 235, and others)
- Missing screen on drainage pipe from roof outside rear entrance
- Gasket needs to be repaired outside Room 113
- Window trim on front of library has moved upwards
- Cracked window
 - Rear of building near room 57A
- Screen damage
 - Five of six screens damaged outside of room 34
 - Rooms 59, 141, and 227
- Paint chipping visible
 - Outside Room 59
 - On lights outside stairwells in front and rear of school
 - On vestibule in front and rear entrances
- Grout/mortar
 - Window area in main entrance on office windows
 - Windows in front of building to right of main entrance
 - Large brick puncture outside Room 79
 - Rust visible outside bottom of door for Room 85
 - Below windows in rooms 115, 133, and 139

2017/2018 Recommendations:

Short Term Goals:

Replace carpet in elevator with another type of material.

Replace damaged bench at the rear entrance.

Recommend leaving AC on for summer months to band room and auditorium to prevent mold issues per EPA New England Indoor.

Air Quality Tools for Schools Summer tips.

" Schools in humid climates that are close up over the summer may need to keep ventilation running

And monitor humidity levels within the building to a level below 60%. Also, a weekly check for

Mold growth (sight and smell) is a good practice."

Plan abbreviated IAQ survey for January 2018 on general cleanliness and other areas of concerns.

Continue to report TFS at Safety meeting.

Medium Term Goals:

Due to the retirement of one of our members and in an effort to increase the diversity of our membership, add an additional committee member outside the science department through the inclusion of either a paraprofessional or another teacher.

Long Term Goals:

Develop custodial checklists to ensure cleaning is being completed in a consistent fashion.

Respectfully Submitted,

Dominique Fox

Dominique Fox, Principal

Tolland High School

Tools for Schools Indoor Air Quality Coordinator