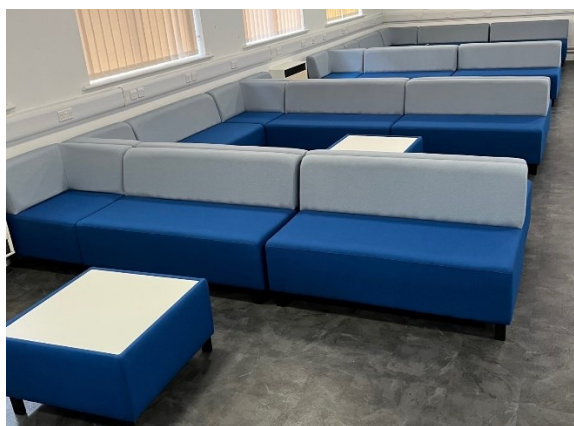


Report on Site Team – Summer 2022

The Summer Term has seen various small projects to improve the facilities at CCHS for both staff and students. The projects include the refurbishment of the old V18 classroom into a new staff workroom, the old staff workroom into a new exam and general teaching room, and new furniture in the Year 13 Common Room which in turn facilitated an upgrade to the furniture to the staff room. Some projects were subcontracted, the School is now benefitting from new water coolers and water heaters, remedial works on some significant storm damage has also been completed. Some of the projects are written about in a little more detail below.

In house Small Projects

Year 13 Common Room Furniture I wrote about the project to replace the Year 13 Common Room furniture in the Winter report. Please see below for pictures of the new furniture in situ. These items were paid for by the schools Parents Association.



V18 to New Staff Workroom V18 had suffered significant flood damage during recent years, this was from leaking roofs. The walls and parts of the ceiling in the room were mouldy with blown or heavily cracked plaster, the radiators in the room were also beginning to corrode due to the near constant damp environment. The room boasted a large chalk board, unfortunately this was an asbestos containing material that had some conduit and fixings attached many years ago. The existence of this board and its condition prevented us from beginning work. The room was holding on to a heavy damp odour.



Our work included the removal of the asbestos chalk board by a licensed contractor, once complete we boarded over the exposed concrete walls with MDF boards and then I called in a plasterer to repair the walls. Following the plastering works we began our own extensive preparation and redecoration works which included the radiators and the ceilings. Once decorated I hired a flooring contractor to fit new carpet tiles, once completed we used three large table units from the Capita recycled furniture project to create 18 separate work bays, our IT Team arranged data, power and telephones and we moved in storage cabinets from the old workroom. The work was completed within just a few weeks, some of the work during school time, using multiple trades, lots of inhouse skills & labour and plenty of coordination between different groups.



Old workroom to exam suite/general purpose teaching room. When the new work room opened for use the next job was to bring the old workroom quickly online as an exam room. The brief was to present the exam team with a clean, safe, and functional exam room. Work on this area started just after February half term with daily evening runs to the recycling bins with old and unwanted resources. This work took many weeks to complete as the teachers were unable to fully commit to a speedy timeline, yet our own deadlines loomed over us, so we negotiated and cajoled to the very best of our ability, and we managed to bring the new workroom online a few weeks before Easter, we managed to convince some teachers to move out and we slowly inched forward with our plan to completely empty the room. We took full possession on the last day of the Spring Term.

On gaining possession we still had a vast amount of furniture left in the room, and this was all taken one item at a time downstairs into the Languages Foyer, where it was sorted for storage or disposal, depending on its condition and potential for future use. A 16-yard skip was ordered and filled and a whole storage container was filled with salvaged furniture. Many previously hidden sockets and conduit were replaced, some broken plaster was taken down and patch repaired, and the blinds were repaired. The room was thoroughly cleaned, and the carpets were shampooed twice. The room was fitted out with 45 exam desks and an invigilator's desk and the room was handed over to the exam team on the first day of the new term. After a few weeks in the room it was decided to install air conditioning, this was installed over the Summer Half Term with multiple contractors completing 14 hour shifts to complete the install in time. In the summer I plan on emptying the room again and completing some redecoration works and some work to install glazing film on the high-level windows.



Storm damage In March we experienced some significant tree damage following a storm. The damage was widespread across the site. Two neighbours were particularly affected, both gardens backing onto first avenue near our row of poplar trees. Two garden fences and one new Lutyens garden bench were crushed beneath the bows of the trees. I wanted to reinstate the gardens and our own site security quickly, so I used our incumbent tree surgeon to clear the garden of tree debris and to make safe any other trees on the site, a fencing contractor to replace the fences and I bought a new bench online for the neighbour. This project was completed within one week of the storm.



Swimming Pool. I would like to use this platform to pay a tribute to my team and its commitment in keeping the swimming pool safe to use while battling failing and obsolete plant. When not on duty I receive regular calls and messages with questions from the team with queries on chemical balance, these calls are never discouraged. Managing a swimming pool is a large responsibility and there are hazards at every turn. Any adjustment to a chemical, the temperature or the amount of people using the pool will have a knock-on effect. The swimming pool undergoes in-house chemical balancing for PH, Chlorine (Free combined and total) three times per day. Full balance tests are performed inhouse on a weekly basis to measure calcium and alkalinity, balance is measured by calculating our results using the Langelier index and chemicals added accordingly. Once a month a water sample is delivered by the team to a UCAS laboratory for microbiological testing, last months results are displayed below. The result shows a perfect score, and I can produce many years of identical perfect results.

Report Number: M194320
Issue Date: 30/05/2023

Customer
Mr. Richard Free
Chelmsford County High School for Girls
Broomfield Road
Chelmsford
CM1 1RW

Date of Sampling: 26/05/2023
Time of Sampling:
Sampled By: Client

ANALYTICAL REPORT

Site
Chelmsford County High School for Girls
Broomfield Road
Chelmsford
CM1 1RW

Cavendish
LABORATORIES

Millers Barn
The Warren Estate
Lordship Road
Writtle
Chelmsford
Essex CM1 3WT
Tel: 01245 422800
Fax: 01245 422501
info@cavendishlaboratories.com

Sample Ref	Location	Temp (°C)	TVC (cfu/ml) 24hrs/37°C	TVC (cfu/ml) 48hrs/30°C	TVC (cfu/ml) 48hrs/37°C	TVC (cfu/ml) 72hrs/22°C	E.coli (mpn/100ml)	Coliforms (mpn/100ml)	Pseudomonas aeruginosa (cfu/100ml)	Pseudomonas Species ^ (cfu/ml)*	Legionella (cfu/l)
97872	Swimming Pool	29.0	3	-	-	-	NIL	NIL	NIL	-	-

*Non UKAS accredited tests
- Not Tested
() Estimated count - The Count is only an estimate and may not reflect the true count.
+ out of stability and results are indicative only. The sample has determinants that have exceeded their stability time. As a result, the test results may be affected and are reported as indicative only.

Bold Tests subcontracted to another laboratory
cfu = colony forming units
mpn = most probable number

Authorised By:
R. Knight M.I.E.Sci. M.W.M.Soc. (Snr) MISPE. Microbiologist

Authorised By:
W. Law B.Sc. Laboratory Manager

In addition to balancing the water and the chemicals the team work hard to provide a clean and safe facility within the bounds of what is slowly becoming a dilapidated building. The team regularly climb into the water to glue tiles back on to the floor and walls of the pool, I personally spent 1.5 hours doing this during half term. We will continue to persevere with the plant and will call upon our group experience to keep the pool running for as long as possible, but we do relish the opportunity to one day test our skills in a new, modern pool environment though.

Additional work

In addition to these projects the team have worked hard in other areas to keep the site safe, secure and well presented. Some significant structural repairs have been completed on the languages doors where the door closer was pulling the aluminium door apart, also the school's kitchen shutters, where a fire safety link was installed, and a major gearing repair was completed. Vape detectors have been installed across 7 toilet blocks, this work will help to prevent an emerging issue from escalating. A new, more cost-effective contract for water coolers was signed, a contract to include water heaters in the kitchens, the contract was cheaper than the previous supplier who supplied the water coolers only, this will save the school money on future repair costs and replacements.

Just before half term the school hosted the local elections for the Patching Hall Ward. This was held in the Year 12 Common Room. To make room for this event the team cleared the common room of furniture and we provided tables and welfare facilities for the election team. The team worked closely with officers from the council to install matting and fencing and we provided some very late site cover for this event. Other visitors to the school have included some younger, out of hours thrill seekers who have been looking to explore our grounds. Following last years out of hours visitors where masked youths were scrambling across our roofs, this time we managed to capture them early where they promptly received a good old-fashioned ticking off from the duty caretaker, hopefully they have absorbed this message and we can all avoid future police action.

In other works, redecoration work continues in the Cadbury Building, our weekend caretaking assistant has now moved over from shampooing dozens of carpets in the Anstee building to sanding and painting 45+ doors in the Cadbury Building. The Cadbury decoration project is used as a filling in job when no other, more pressing tasks are scheduled in. Other works for the team include the replacement of the main Staff Room's furniture, this has been re-purposed from the Year 13 Common Room upgrade. This furniture was still serviceable but was heavily stained so once shampooed it was installed into the Staff Room, this replaced items of furniture that had worn fabric and exposed foam. Not only has this enhanced the area for staff members to relax at break times, but it also means the furniture in the Staff Room now complies with the requirements set out in our fire risk assessment. While mentioning risk assessments is should mention that in addition to the above all health and safety risk assessments and compliance checks are fully up to date at the school and my records are available for audit at any time.

Moving forward

Moving forward into the Summer holidays we now embark on a replacement heating project for the Cadbury Building, this work should take around 8 weeks to complete, and it will see the obsolete plant replaced with modern energy efficient plant that benefits from additional sensors and thermostatic room controls. The Team will be on hand at every step to facilitate a speedy install, and we hope the new system will be installed and commissioned ready for September.

The other minor project the team will be supporting is the light cosmetic works that Zurich have agreed to fund on our swimming pool. The work should take around two weeks with one week of pool closure and one week of managed access while keeping the Barracudas children safe.

Thank you.

Richard Free