

# 2020 / 2021 Environmental Implementation Plan

## Achievements to Date

### 2016-2020

Installed LED lighting to Lower Mounts site 1  
Information to kitchen staff to minimise waste to landfill  
Reduced usage of glyphosate for weed control  
Introduction of week closure between Christmas and New Year to reduce energy usage  
Daventry site replaced with BREEAM “Very Good” energy efficient campus

Booth Lane food waste separated and taken to local anaerobic digester by Biffa  
Installation of LED lighting to Lower Mounts site 2  
Installation of LED lighting to Booth Lane Oak Building  
Installation of LED lighting to Booth Lane main site stairwell C and external lighting bollards  
Installation of LED lighting to Booth Lane workshops, sport hall and circulation areas.  
Removed single use plastic water bottles from catering outlets  
Closed Daventry site on Wednesday to maximise usage on other days and save energy costs  
Closed Lower Mounts site at 2pm on Saturdays to maximise usage on other days and save energy costs  
TM44 air conditioning inspection reports carried out at Booth Lane and Lower Mounts all recommendation carried out.  
Booth Lane Travel plan updated  
“Big Rig” sustainable skills competition

Daventry Bee Project. Set up to teach young people about the important role of bees in the ecosystem, including pollination, honey and beeswax production.

Installation of additional 96 kWh PV array

### Ongoing

- **Monitor all utilities throughout year.**
- **Use of BMS to minimise energy costs**
- **On “Triad Days” reduce energy consumption between 5.30 – 6.30pm**
- **Use of software to auto shut off PCs in College**
- **DEC certification and EPC monitoring**
- **CO<sub>2</sub> Net Zero 2050**

### 2020 -21 Targets

To promote **bio diversity** in the environment:

- April and August continued application of Opticote long term fertilizer to lower and higher level sedum roofs to Booth Lane D building and increase sedum plant coverage from 75% - 90% throughout May – September

- Supply and sow A22 amenity grass seed, EM3 and EM8 wildflower seed mixes throughout May – September 2021
- Reduce use of glyphosate by 50% April – September 2021
- Increase plant stock by 10% to pond throughout May – September 2021

Reduce **waste** to landfill by 25% by April 2021

- To reduce usage of single use cups across college
- Reduce further use of single use plastics across college
- Include waste management information in staff and student induction process.
- Monitor all waste streams throughout year.

To reduce **energy** usage and carbon dioxide generation by 5% by August 2021

- Monitor all utilities throughout year.
- On “Triad Days” reduce energy consumption between 5.30 – 6.30pm.
- Continue “Turn it off” campaign through the year
- Reduce number of computers by 20%
- Install additional 10% Photo voltaic panels
- Complete feasibility LED survey to Booth Lane classrooms and carry out conversion

To promote **healthy living** for students, visitors and staff

- Continue to carry out advertising campaign using college tv screens throughout the year.
- Continue “Green Pledge” scheme.
- Include in staff and student induction process.
- Continue Supported Learning curriculum programme to grow vegetables. September 2020 – July 2021
- Supply healthy option main meal for students and staff
- Increase access to college sporting facilities (changing rooms, sports hall, playing fields, tennis courts and MUGA).