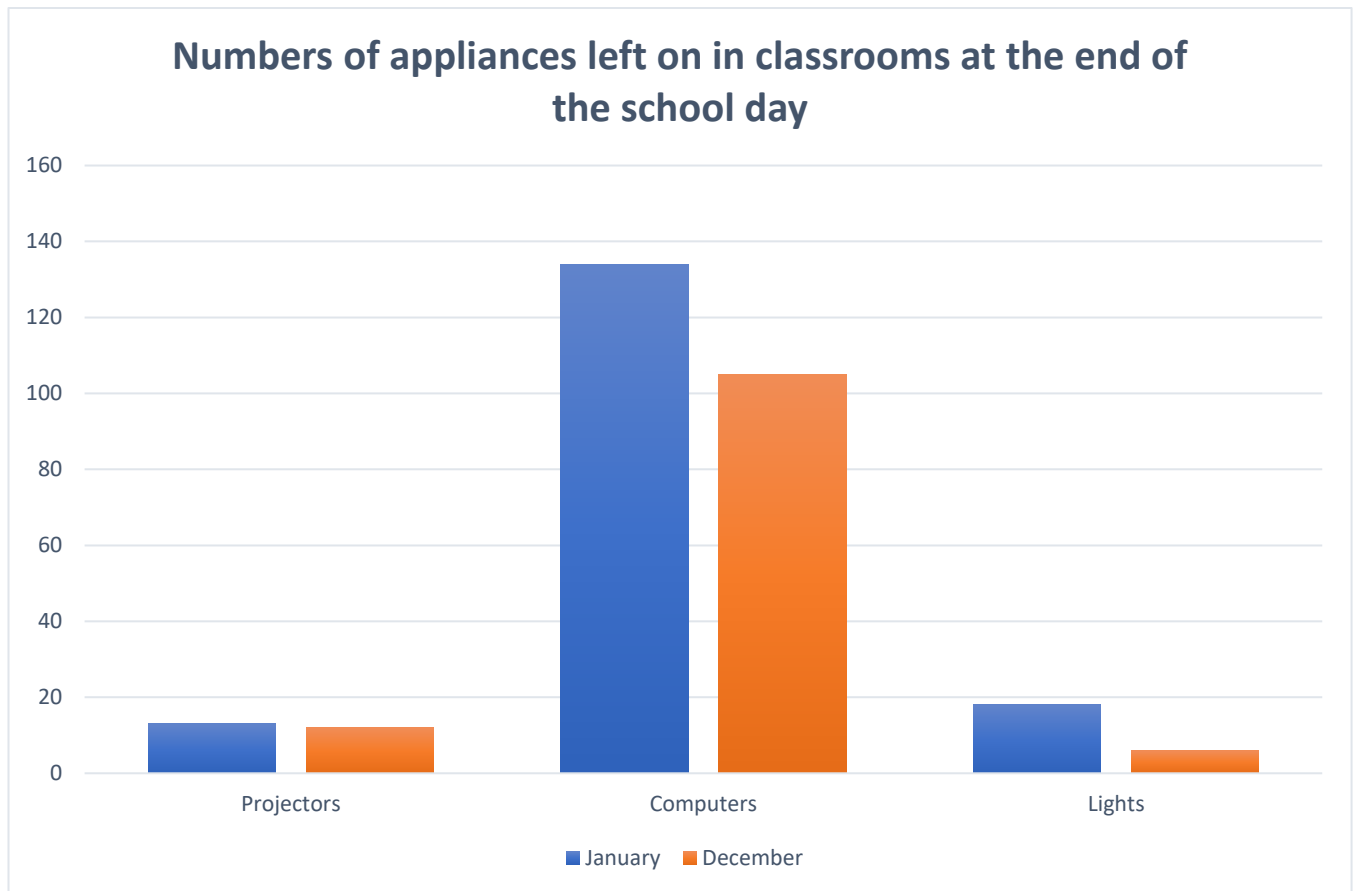**Energy Project Results**

In January 2020 a survey was carried out to record appliances left on in classrooms after school. A second was carried out in December 2020. The results below suggests that some improvement has been made over the year.

Numbers of appliances left on in classrooms at the end of the school day
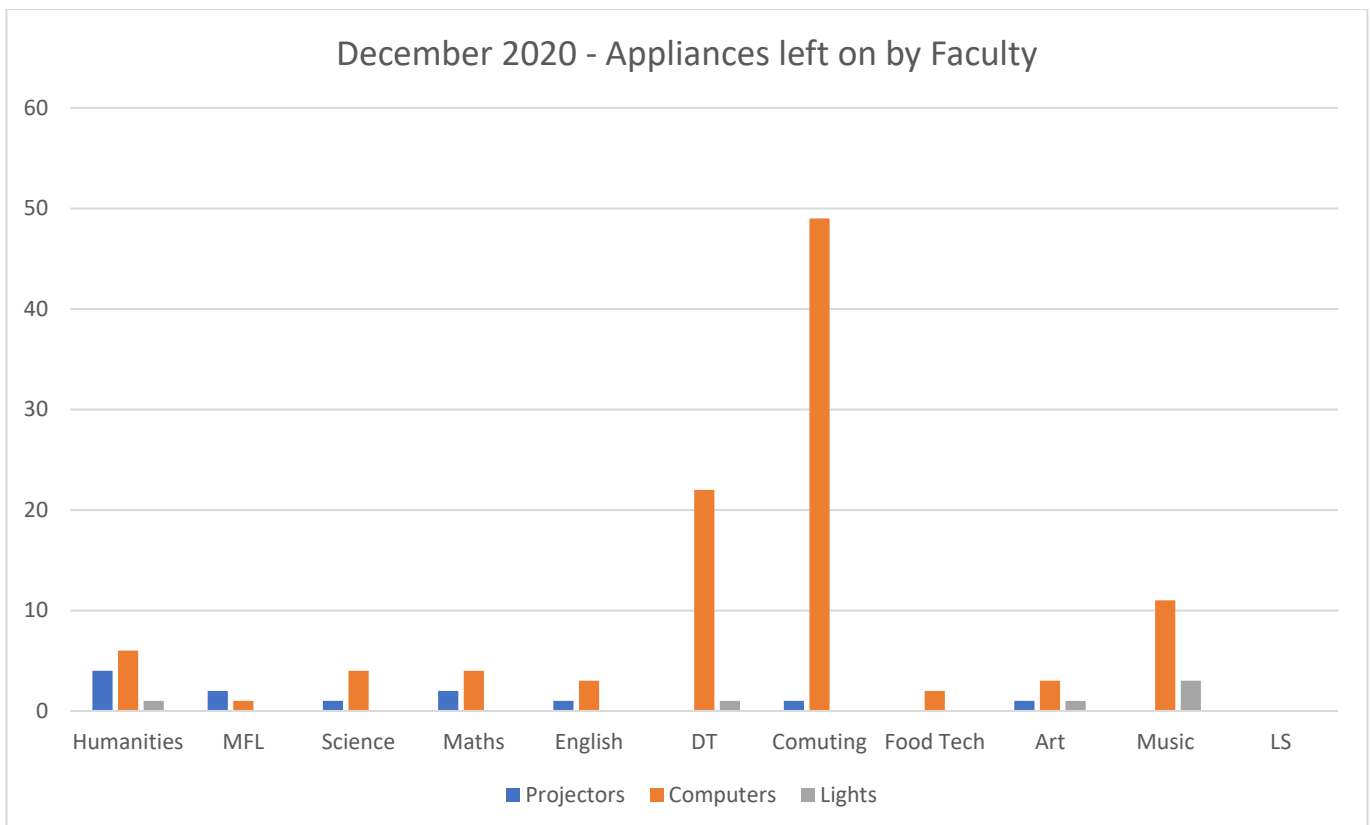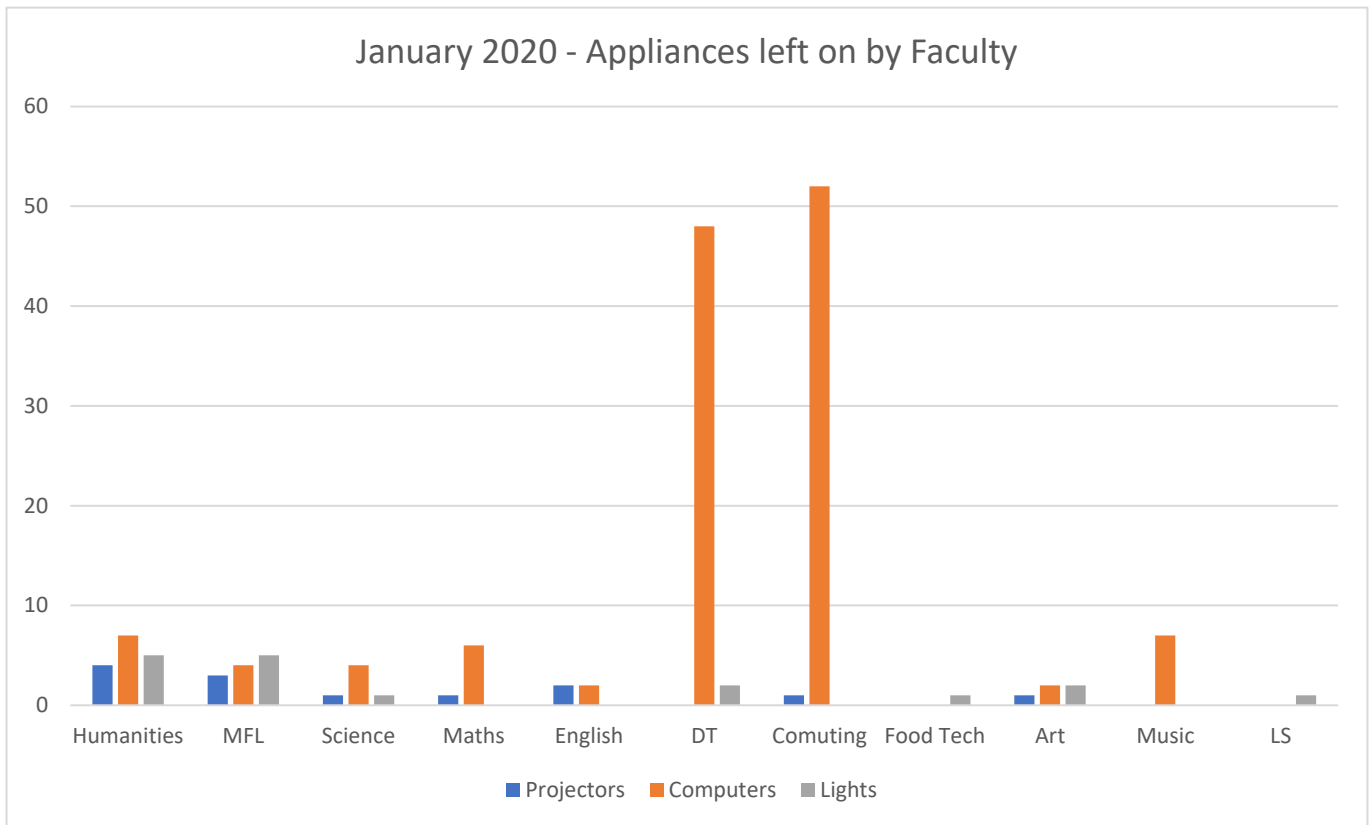

Key findings:
- The number of lights had dropped by a third.
- The number of projectors left on had only fallen very slightly.
- Although a significant number of computers had not been switched off, this had dropped by 22%.
- Most of the computers left on were those used by students rather than those used by staff. For example, in December 25 of the 105 computers were pcs used by staff (24%), the rest were pcs used by students in Music, DT and Computer Science departments. Whilst the reminder to switch off appears on the screens of staff pcs it does not appear on the screens of other pcs.

Proposed action:
- DT, Music and Computing staff to be asked to instruct students to switch off pcs at the end of the last period of the day. Posters to be used as a reminder.
- All pcs to be automatically switched off at 5pm so not left on overnight.

Additional information:
- There is a proposal to use iPads for Computing lessons which would remove the need for pcs in these classrooms (60 in total). This would leave DT as the department which has the largest number of computers used by students, followed by music.

January 2020 - Appliances left on by Faculty

Legend: ■ Projectors ■ Computers ■ Lights

December 2020 - Appliances left on by Faculty

Legend: ■ Projectors ■ Computers ■ Lights

The graphs show that the number of appliances left on varies significantly by subject area. There is, however, a significant difference in the numbers of computers in each area as the data below indicates.

By Faculty the proportion of teacher's computers left on in December was as follows:
- 42% in Humanities
- 12% in MFL

- 36% in Science
- 50% in Maths
- 50% in English
- 25% in DT
- 33% in Computing
- 100% in Food Tech (2 pcs)
- 60% in Art
- 22% in Music
- 0% in LS

The data shows that there is still work to be done and that further steps are needed to further improve energy savings by ensuring all appliances not in use are switched off. When speaking to a selection of teachers about this several factors came to our attention:

- Due to timetabled changes as a result of Covid 19 teachers are more likely to be teaching in classrooms outside their subject area and in a greater number of different classrooms. This can make it harder to get into a routine of switching everything off.
- Additional routines related to Covid make it harder to remember to always check that all appliances are off.
- Teachers have reported to Network Services that one reason why they do not switch off their pc at the end of the day is because it takes so long to start up again the following day. This relates to the age of some of the computers. In response to this issue faster pcs are being trialled in a selection of classrooms at the moment.

Conclusions:

- Teachers told us that the reminder that pops up on their screen towards the end of the last lesson definitely helps them to remember to switch devices off.
- Our data suggest that fewer appliances had been left on in our survey at the end of the year but there are still gains to be made.
- From what we've learnt we would support the following:
  - The automatic switch off of pcs at a set time
  - Replacement of older pcs with more energy efficient, faster machines over time (already in progress) – would encourage staff to shut down pcs when not in use
  - Shift to use of iPads rather than pcs in Computing