Project Ideas

The following ideas are only suggestions of the types of projects that could be undertaken by candidates. Candidates should be encouraged to explore several problems before deciding on the one that they will develop. A possible IT approach is suggested for each idea, but it is not a definitive solution. Candidates should always be encouraged to think of a range of possible solutions to any problem.

1. Problem: There is no organized system of seating in the school auditorium for plays and concerts. There is no system for reserving seats in advance, printing tickets, or keeping records of ticket sales.

Possible IT approach: spreadsheet

2. Problem: A community orchestra has existed for many years without a formal record of pieces performed. There is no record of performances, sponsors or music performed and transposed parts added or removed.

Possible IT approach: database

3. Problem: The volleyball team and coach have no system in place to record game statistics on both team and individual efforts. These statistics would be useful to assist the coach in determining the weaknesses and strengths of the team as well as those of individual players. These statistics would help the coach to plan appropriate practice drills and strategies that address specific individual and team needs.

Possible IT approach: spreadsheet

4. Problem: The school's sports department relies currently on weekly assemblies, monthly newsletters and occasional letters home to parents to communicate game and training schedules as well as results from previous games. There is no means to inform the community more regularly about past, current and future sports news at school.

Possible IT approach: web site

5. Problem: Students do not have a convenient means to record their arrival and departure from school during the school day. Currently, students must sign a sheet of paper which takes time and does not allow for accurate data about the student's identity, date, time and reason the student has left.

Possible IT approach: database

6. Problem: Students who arrive late at school often miss the morning announcements that are read at the start of the school day during their first class. These students have no way of finding out what important announcements they have missed.

Possible IT approach: presentation on mounted monitors

7. Problem: The art teacher currently has no means of recording previous art assignments. Although examples of previous candidate work are available, the best pieces are very often kept by the candidates when they leave the school.

Possible IT approach: database

8. Problem: The creativity, action, service (CAS) coordinator currently maintains only written records of students' CAS activities and hours. The coordinator must write new lists each time she updates the record of students' CAS activities and the number of hours remaining.

Possible IT approach: database