

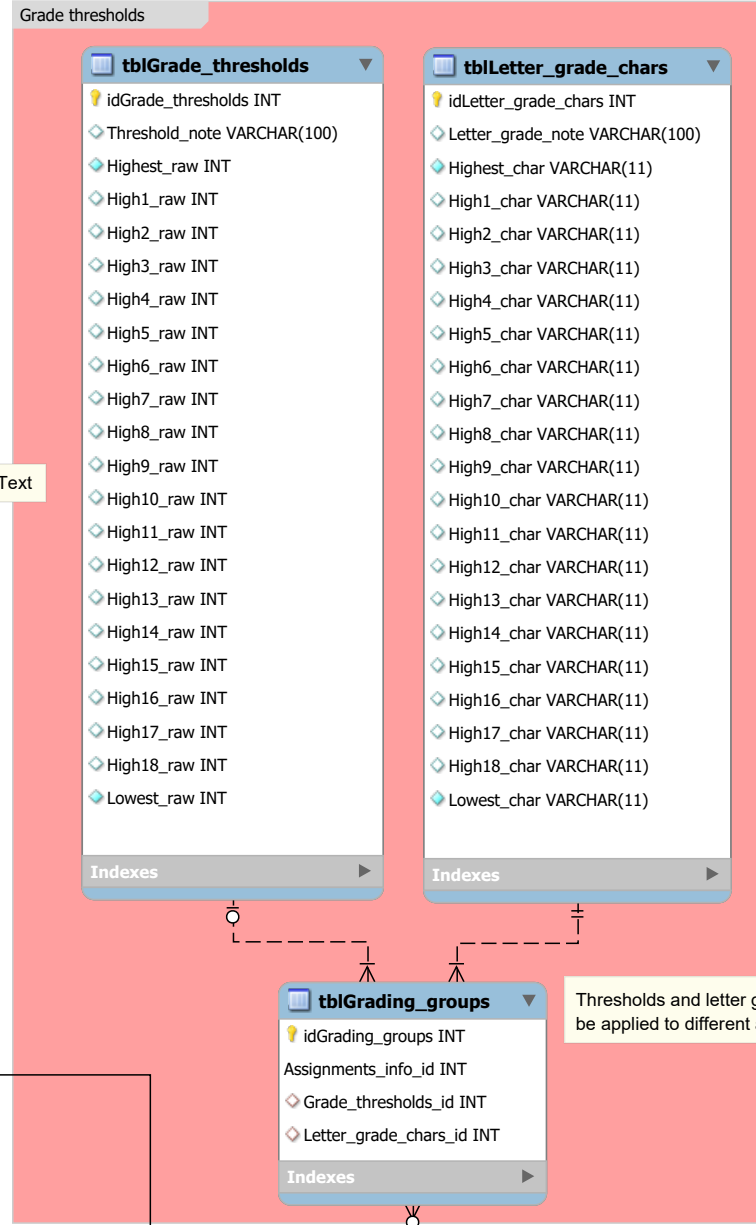
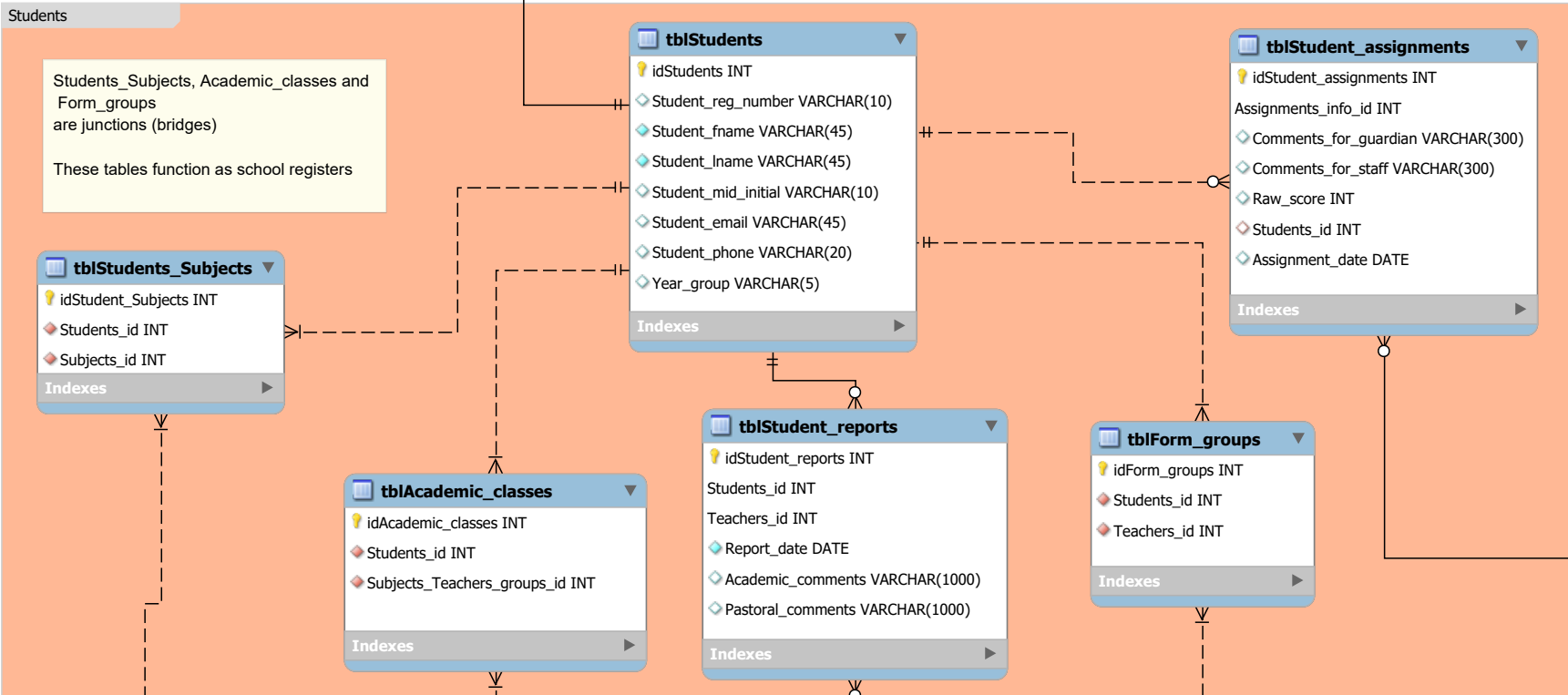
Due to MySQL foreign key constraints, the following tables should be populated in the order:

1. Students
2. (In no particular order) Guardians, Subjects and Teachers
3. (In no particular order) Guardians_addresses, Subject_Subjects, Form_groups, Subject_Teachers_groups and Student_reports
4. Academic_classes

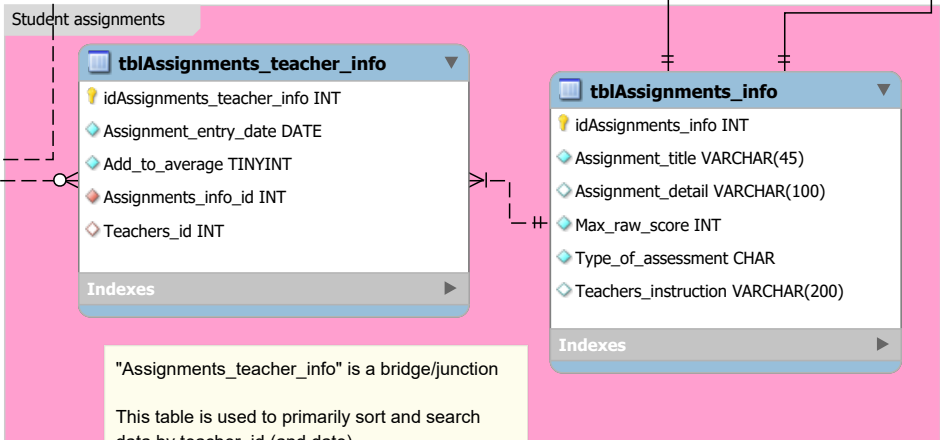
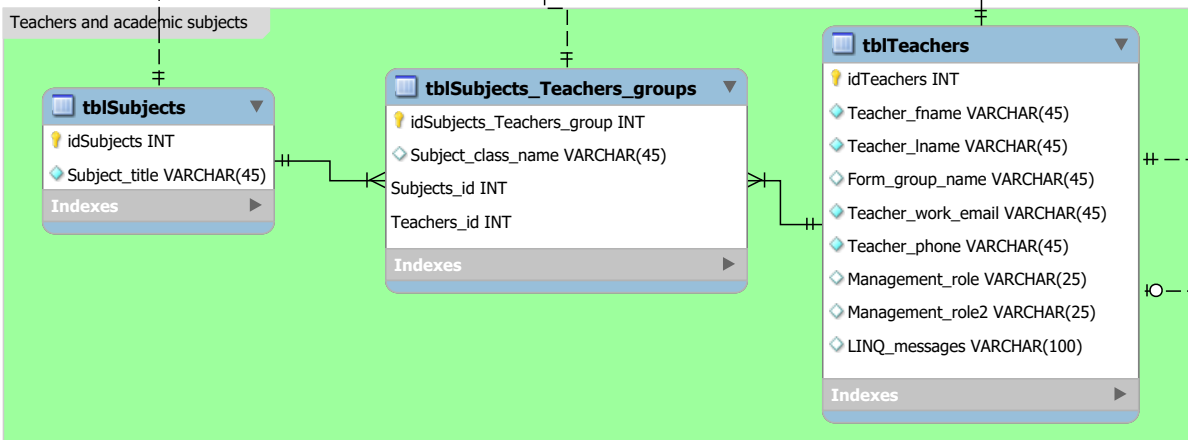
When the pastoral and academic plans are entered, teachers can then begin entering assignments related data:

4. Assignments_info
5. (In no particular order) Assignments_teacher_info, Grade_thresholds, and Student_Assignments
6. Grading Groups

The order of dropping rows (records) should be carried out in the reverse order (6 to 1).



Thresholds and letter grades can be applied to different assignments



"Assignments_teacher_info" is a bridge/junction

This table is used to primarily sort and search data by teacher_id (and date)

An assignment (e.g. exams) can be shared with teachers, and vice versa

Records for a new year can be applied to the the following year by changing the students' Students.Year_group field. All assignments and reports are dated.

Deletions:

If Guardians records are deleted, so too are respective Guardians_addresses records

If Students records are deleted, so too are all Guardians records and most other records in the Students layer, that is, Students_Subjects, Academic_classes, Student_reports, Form_groups.

In general, update or delete Students records first before updating or deleting Teachers and Subjects

It is not expected that Students_assignments or all other records from the Students_Assignments and Grading_thresholds layers would be deleted since these are likely to be used for academic review analyses. Therefore, these records are not deleted if other (parent) tables (students and teachers) are deleted

Naming conventions

1. All primary keys are preceded with id
2. All table identifiers are preceded with tbl
3. All foreign keys are labelled tableName_id

Table names (except for _info) and FK references are pluralised

Other non-PK and non-FK references to tables are singular

Views

vw_Academic_classes

vw_Teachers_list

vw_Assignments_with_thresholds

vw_Academic_classes_with_students

vw_Form_group_list

vw_Students_assignments_grades_min

vw_Assignments_on_record

vw_Subjects_available

vw_Students_personal_data

vw_Assignments_with_scores_and_grades

vw_Subjects_available_with_students

vw_Assignments_with_scores

vw_Students_assignments_grades