Timetabling Solutions

Version 10





Student Options

Lesson 8: Set Up Subject Rotations

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PROFESSIONAL LEARNING OBJECTIVES

Set up semester subject rotations

SKILLS

- Edit parameters for the creation of grid lines for two options in a semester subject rotation
- Create custom grid views
- Create grid lines for a semester subject rotation
- Edit parameters for additional grid lines on a current grid for a subject rotation using multiple options
- Create a custom class code suffix list
- Create grid lines for a subject rotation using multiple options
- Utilise the "Same" function to control the assigning of student groups to a subject rotation for multiple options
- Automatically assign students to multiple classes in a subject rotation
- Customise class codes for groups of classes in a subject rotation

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SUBJECT ROTATIONS OVERVIEW

Many school curriculum structures have students swap or rotate between subjects on a term, semester, or other basis. This scheduling of subjects is known as a subject rotation. The teachers and classes remain in a block with the students rotating through the classes throughout the year.

There are different approaches to set up subject rotations in Student Options. The rotations can be set up using:

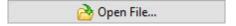
- One line per option (this rotation is set up in the Student Options file and controlled in the Timetable Development file)
- One line per rotation involving multiple options (this rotation is set up and controlled in the Student Options file)

STAGE 1: SET UP A ROTATION WITH ONE LINE PER OPTION

When setting up this rotation, a line is created for each option and students are assigned to classes for both Semester 1 and Semester 2. When the rotation changes for Semester 2, the students remain in the same class and only the class codes need to be changed in the Timetable Development file.

A common example of this type of subject rotation is where students study different languages during the year. In this example, there are four Roll classes in Year 8, two classes will study French in Semester 1 and then Italian in Semester 2. The other two classes will study Italian in Semester 1 and then French in Semester 2.

Two grid lines will be required for the Semester 1 and 2 Language rotation. Sub-grids will not be required for the rotation as students will only do each option once.

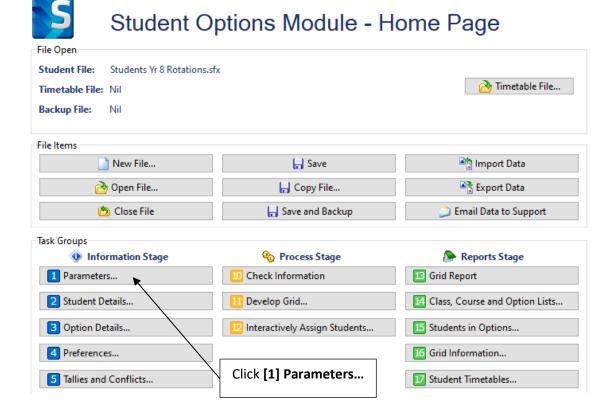


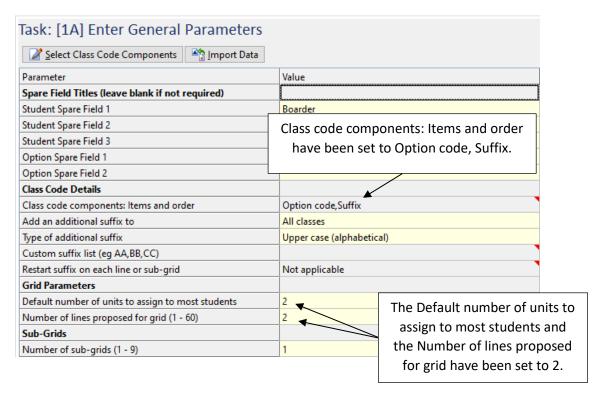
Open the file: C:\Users\Public\Documents\V10 Training Data\Students Yr 8 Rotations.sfx

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PARAMETERS

The number of grid lines and class code details required for the subject rotations need to be checked.





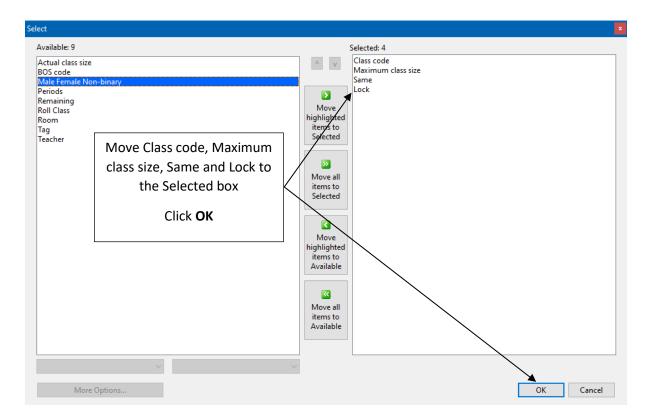
CUSTOM GRID VIEWS

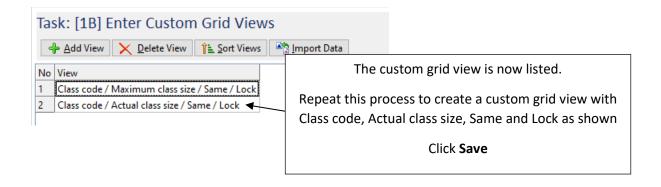
In Version 10 custom grid views can be set up for [11A] Develop Grid and [12B] Assign to Students.



On the Task Tree select: [1B] Custom Grid Views







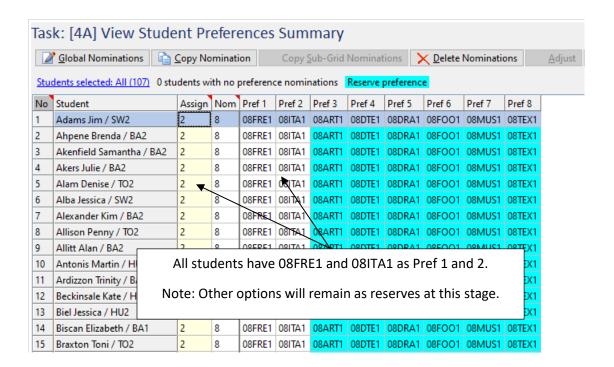
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STUDENT PREFERENCES

In this example, student preferences have already been entered.



On the Task Tree select:
[4A] Student Preferences Summary

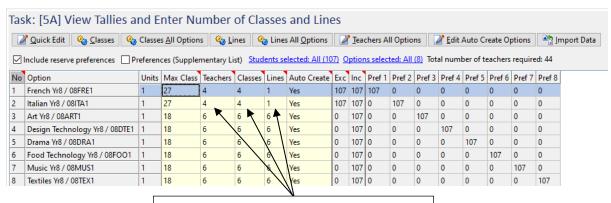


CHECK TALLIES

The number of classes and teachers required should be reviewed on [5A] Tallies.



On the Task Tree select: [5A] Tallies



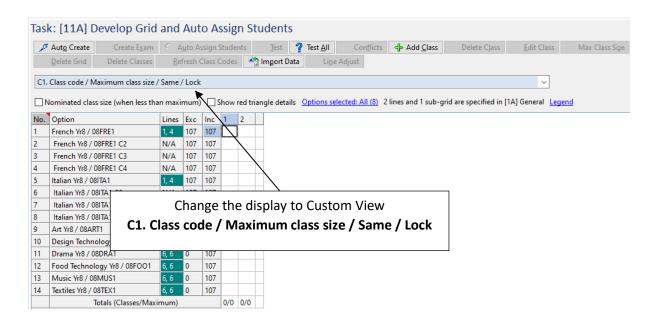
French Yr8 and Italian Yr8 have both been set to 4 teachers and 4 classes on 1 line.

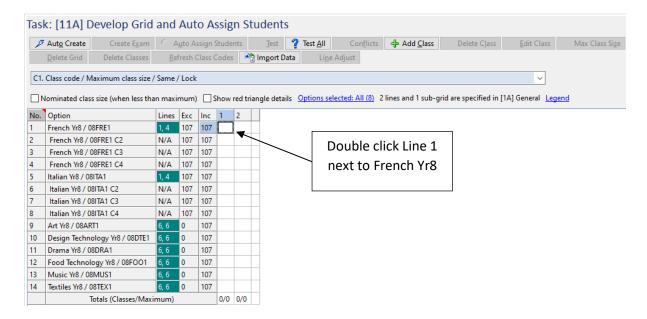
CREATE LANGUAGE ROTATION GRID LINES

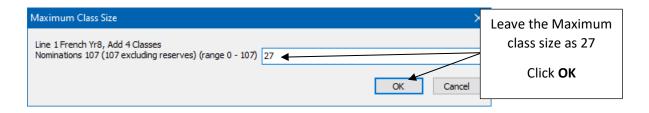
The Language rotation will be set up on Lines 1 and 2 of the grid.



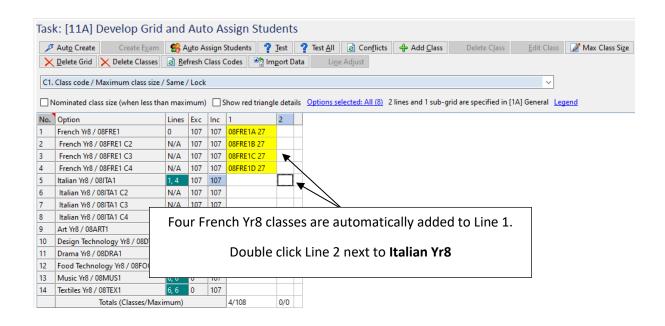
On the Task Tree select: [11A] Develop Grid

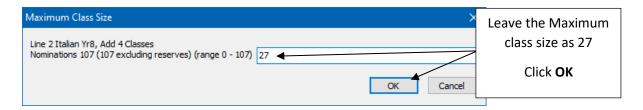


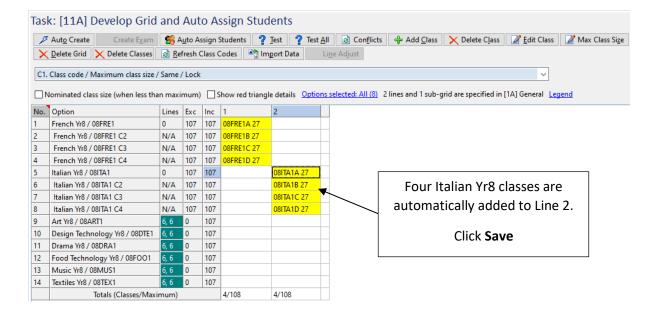




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Note: Students can be assigned to these classes by Roll Class using the techniques demonstrated in the previous lesson.

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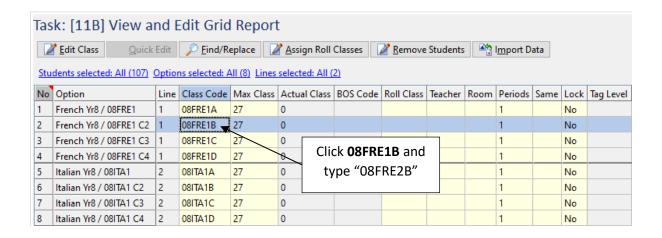
EDIT CLASS CODES FOR SEMESTER 1 AND 2

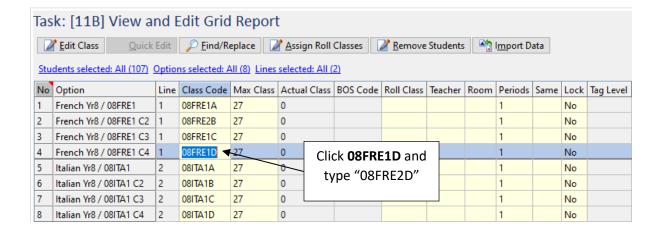
In this example, the class codes have been created automatically using the class code details specified in [1A] General. As each of the class codes needs to include the semester in which they occur, the class codes will need to be edited. In this example, 08FRE1B, 08FRE1D, 08ITA1A and 08ITAC will occur in Semester 2.

In Version 10, the class codes can be edited in Edit Grid Report.

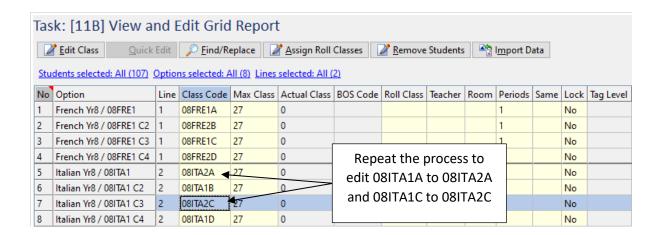


On the Task Tree select: [11B] Edit Grid Report



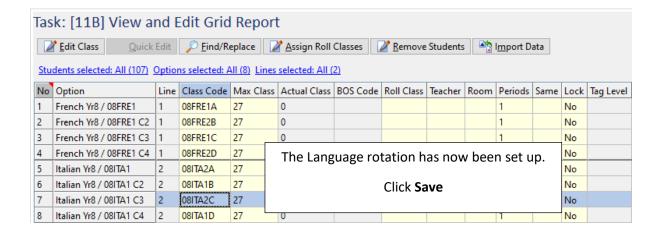


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Both lines will be linked to the Timetable Development file for the entire year but only the classes displayed below will occur in each semester.

Roll Class	Semester 1		Semester 2	
8A	08FRE1A			08ITA2A
8B		08ITA1B	08FRE2B	
8C	08FRE1C			08ITA2C
8D		08ITA1D	08FRE2D	



STAGE 2: SET UP A SUBJECT ROTATION USING MULTIPLE OPTIONS

When a subject rotation is set up using multiple options, a grid line is created for each rotation. When the rotation changes, the linked lines in the Timetable Development file must be changed.

In this example, students will rotate through six different Arts/ Technology options (Art, Drama, Music, Food Technology, Textiles and Design Technology) across the year.

The timing of the subject rotations and the control of the student allocations could be set up using different structures as follows:

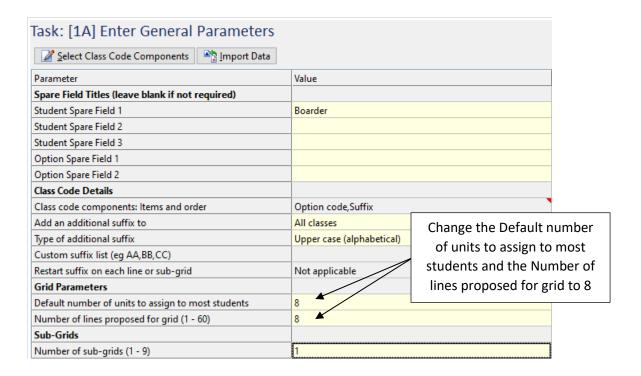
- Students could study 1 subject at a time and change six times during the year
- Students could study 2 subjects at a time and change three times during the year
- Students could study 3 subjects at a time and change twice during the year

PARAMETERS

In this example, there will be an additional six lines added for the Art/Technology rotations resulting in eight lines in total. The default number of units to assign to most students and the number of lines proposed for grid need to be edited.



On the Task Tree select: [1A] General



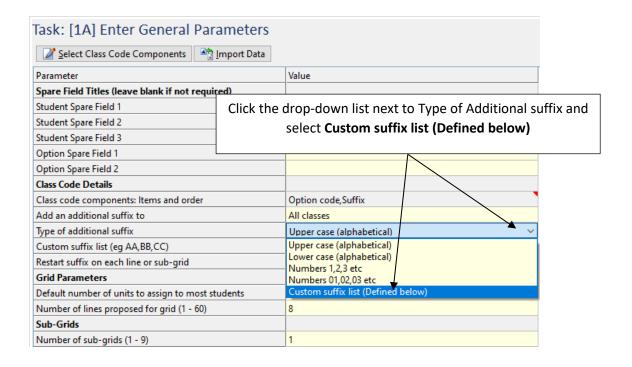
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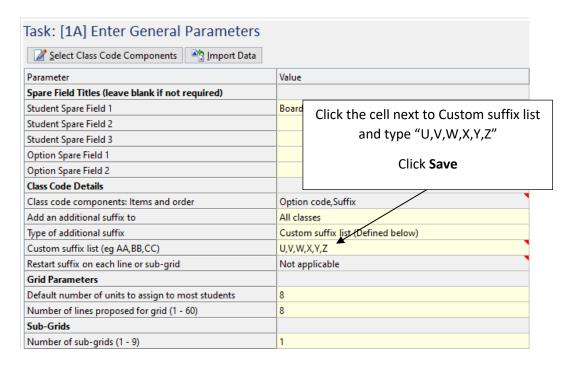
CUSTOMISE CLASS CODES FOR A SUBJECT ROTATION

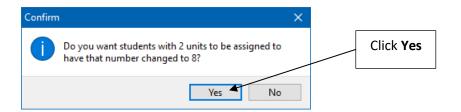
It is recommended that schools use a consistent code structure with the same number of characters, where possible, in each class code. This is often a requirement for export/import to third party Admin systems.

In this example, four roll classes will be divided into six classes on each line of the rotation. An alternate suffix will be assigned to differentiate between classes.

In Version 10, class codes can be customised by defining a custom suffix list on [1A] General.





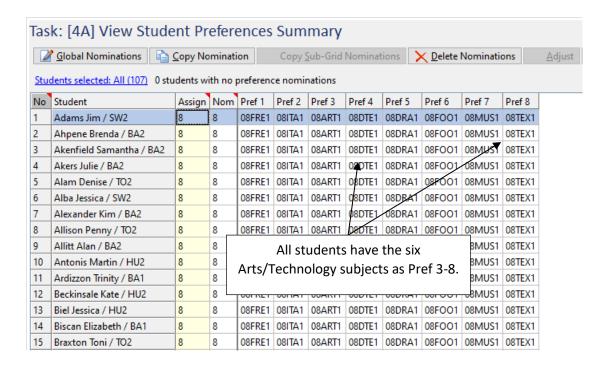


STUDENT PREFERENCES

In this example, student preferences have already been entered for the Art/Technology subjects.



On the Task Tree select:
[4A] Student Preferences Summary

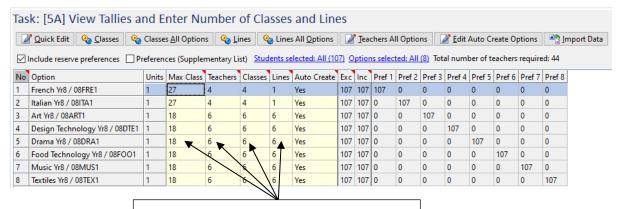


CHECK TALLIES

One grid line is created for a single rotation. In this example, six grid lines are required to control the rotation of all students through all six options.



On the Task Tree select: [5A] Tallies



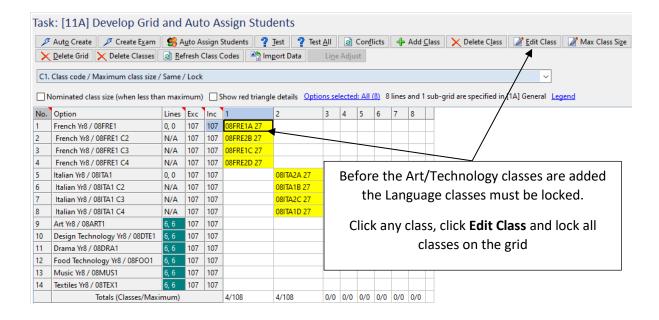
All Art and Technology options have been set to 6 teachers and 6 classes on 6 lines. Each option has a maximum class size of 18.

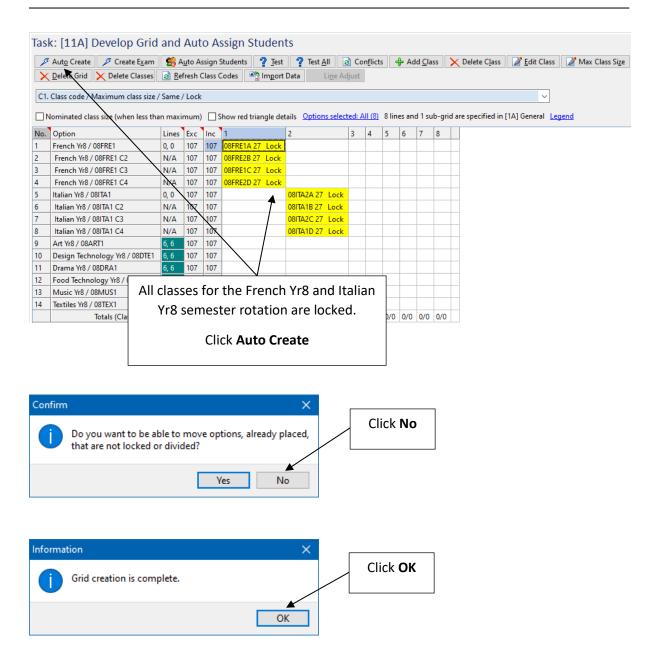
CREATE GRID LINES FOR THE ARTS/ TECHNOLOGY ROTATION

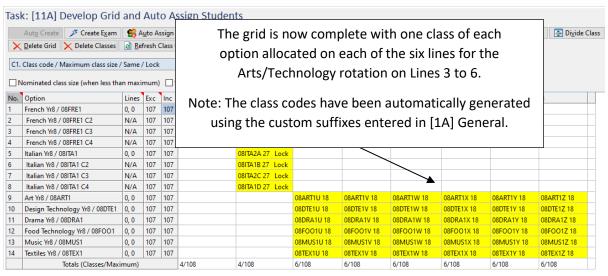
The grid lines for the Art/Technology rotation will be automatically created.



On the Task Tree select: [11A] Develop Grid



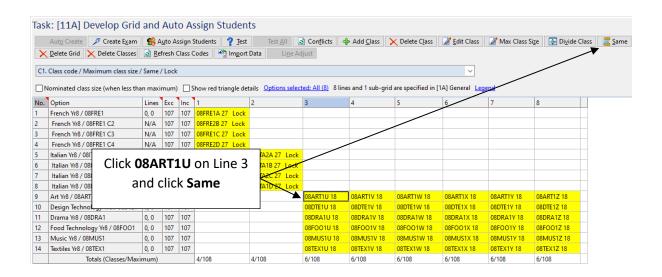


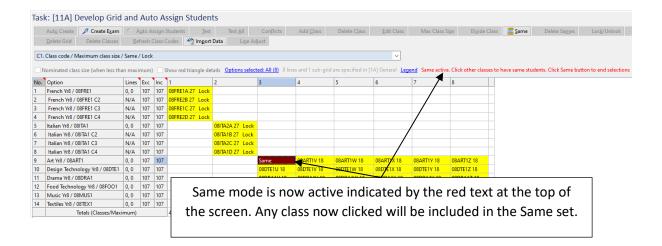


SET UP SAME ROTATIONS

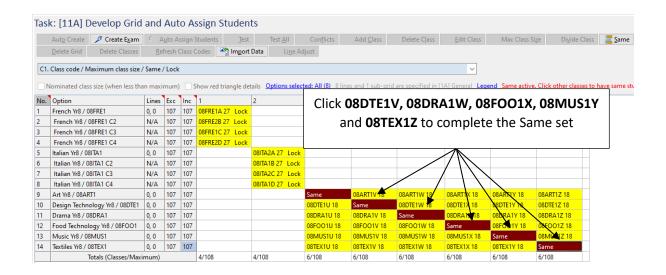
The Same function is used to assign the same group of students to two or more classes when using Auto Assign Students. In this example, students will be assigned to the same class groups for the six Arts/Technology options in the rotation.

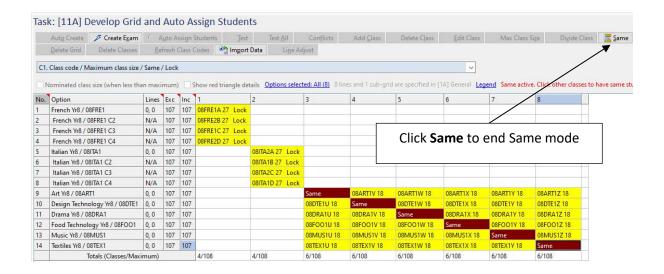
Note: The Art/Technology classes require smaller class sizes for safety reasons and the maximum class size has been set at 18. The Same function requires all class sizes to be the same.

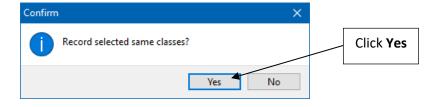


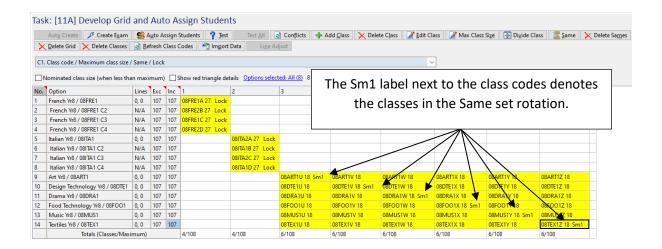


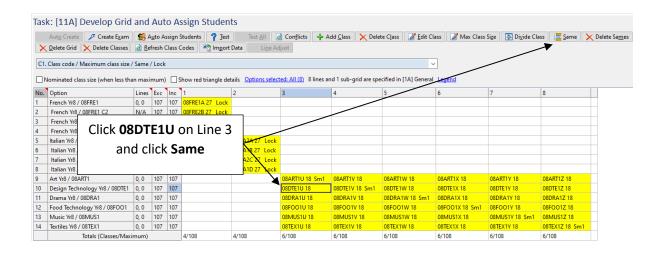
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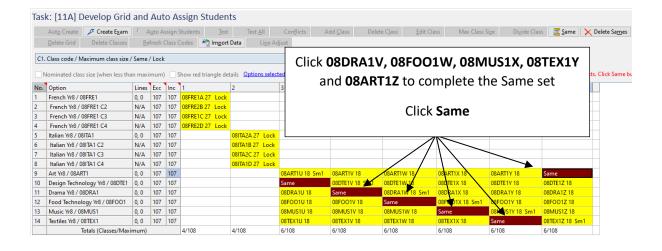


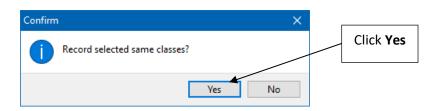


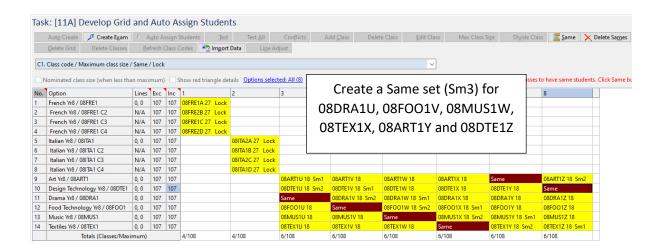


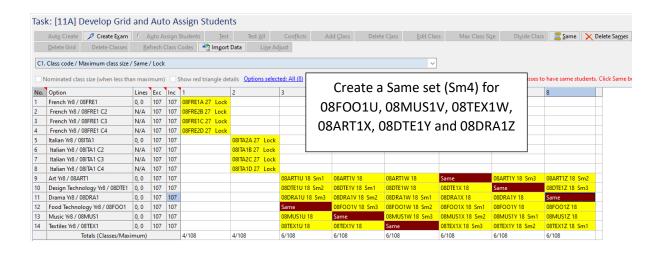


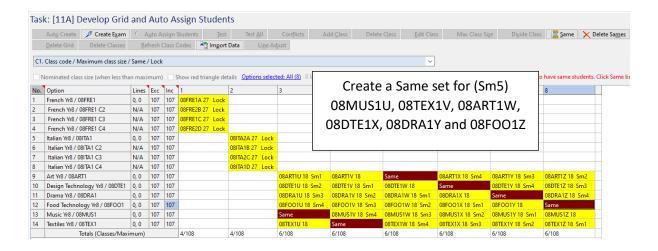


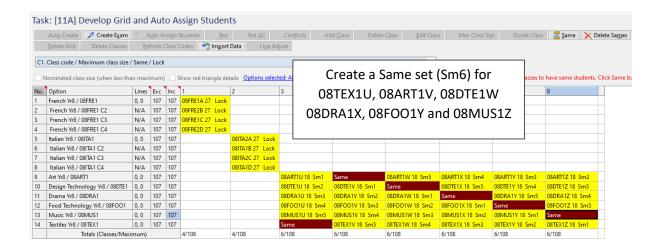


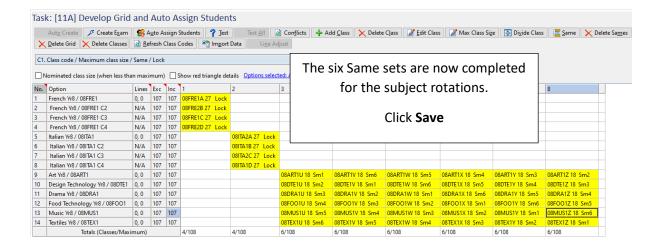






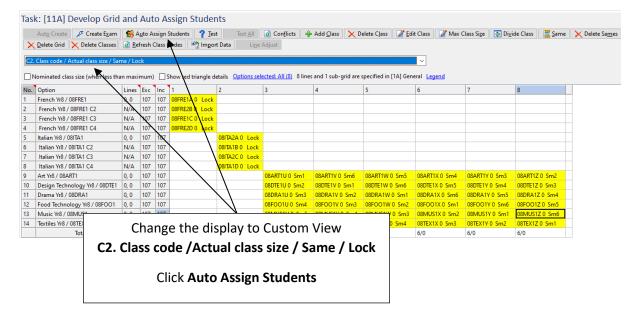


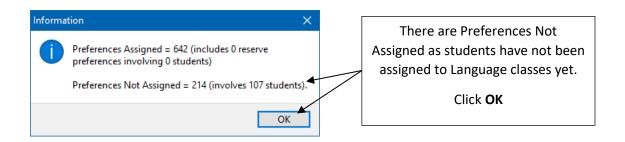


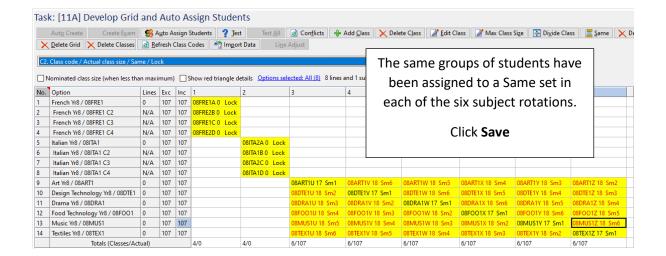


ASSIGN STUDENTS AND CHECK THE GRID

The students can now be automatically assigned to a Same set of classes in the rotations.

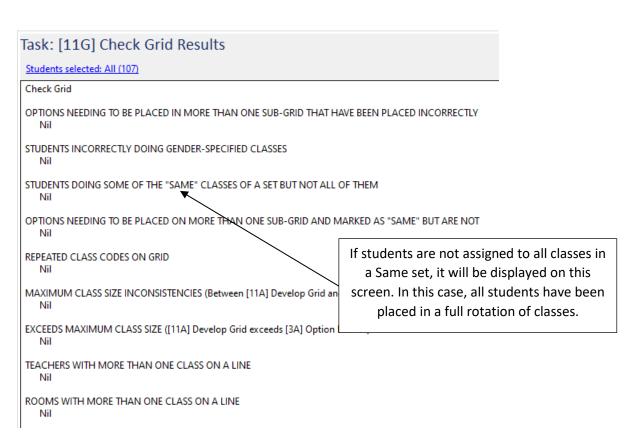








On the Task Tree select: [11G] Check Grid



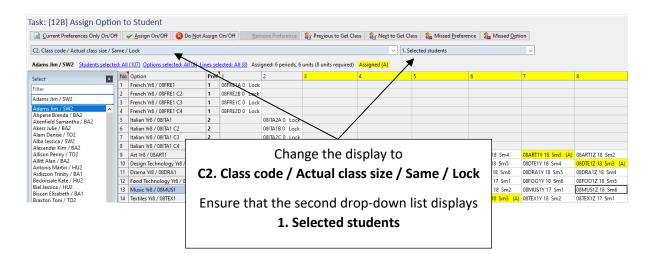
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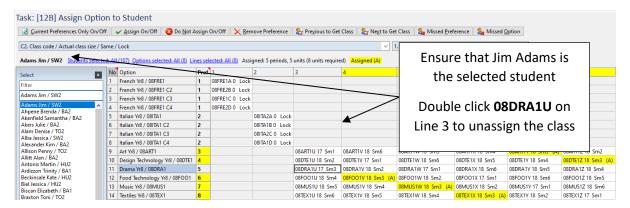
UNASSIGN AND ASSIGN A STUDENT TO A SAME CLASS

The Assign to Student screen can be used to manually assign/unassign students to classes. If a student is removed from a class in a Same set, a warning message appears to advise that a student is assigned to some classes in the set but not all of them.



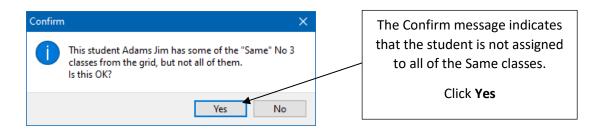
On the Task Tree select: [12B] Assign to Student



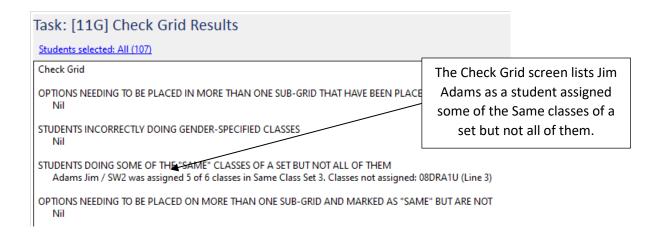




On the Task Tree select: [11G] Check Grid

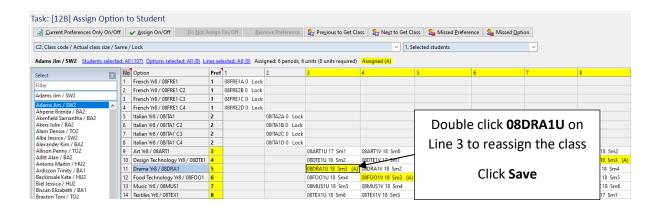


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On the Task Tree select: [12B] Assign to Student



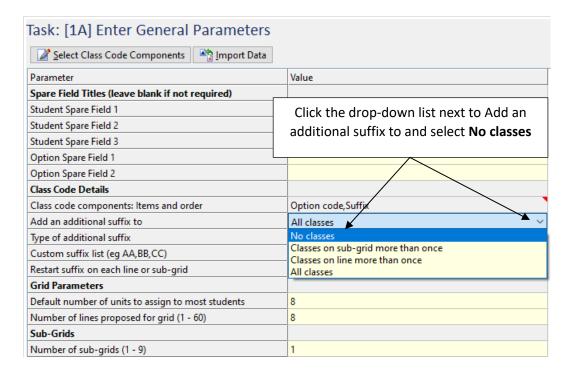
EDIT CLASS CODES

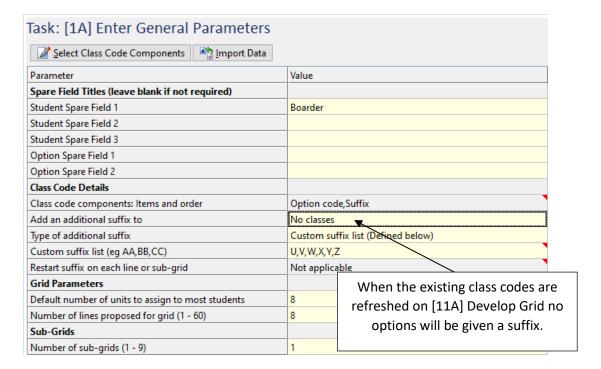
Class codes can easily be changed even after the lines have been created. In this example, instead of the custom suffix being repeated for classes on the same line, the school would like the same group of students to have the same code suffix for the year.

In Version 10, class codes can be directly edited in the Edit Grid Report screen.



On the Task Tree select: [1A] General





SAVE AND BACKUP

Before making any changes to the codes it is a good idea to make a point in time back up so the data can be rolled back to this position if necessary.



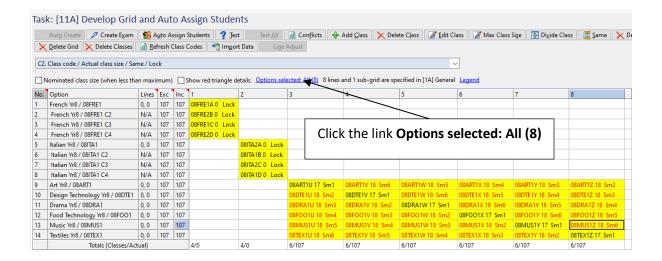
Save and backup the file as Students Yr 8 Rotations before edit codes.sfx

REFRESH CLASS CODES

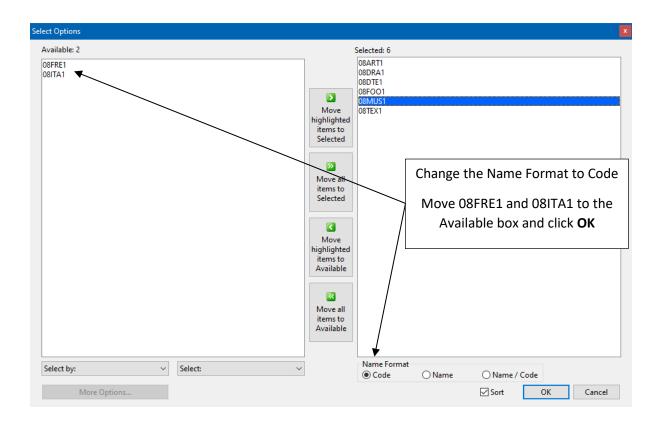
In Version 10, it is possible to refresh only selected class codes. Classes not selected will remain unchanged.

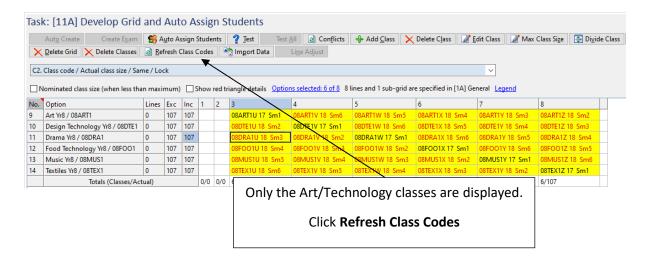


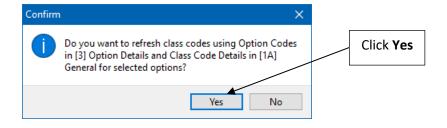
On the Task Tree select: [11A] Develop Grid

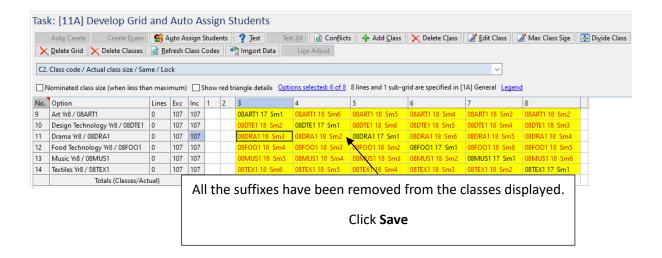


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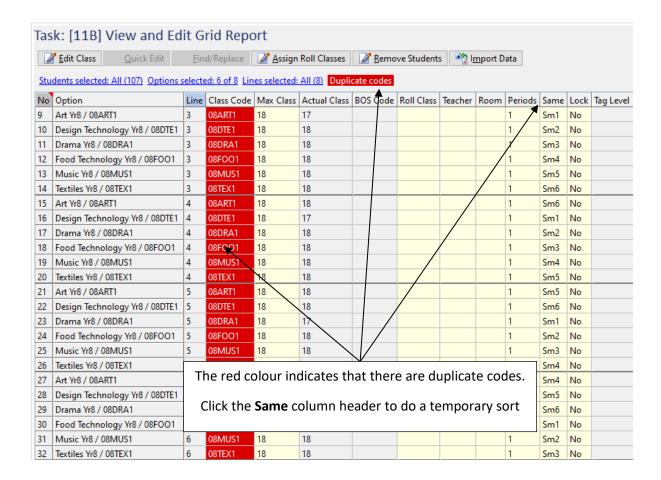


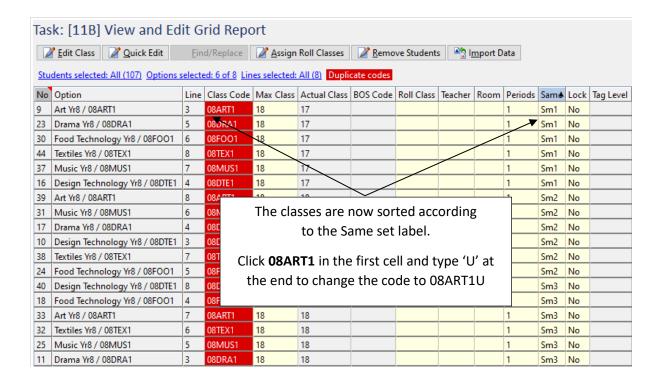
EDIT CLASS CODES

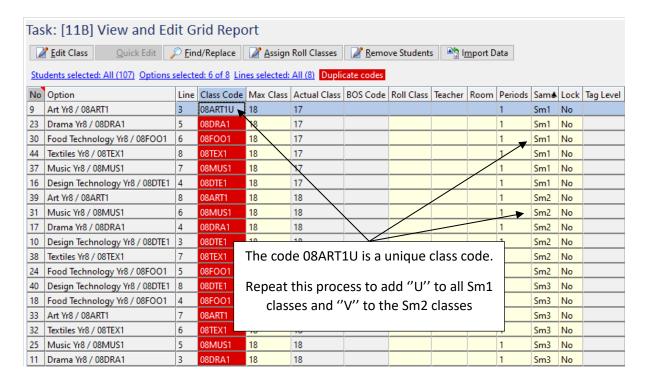
Class codes can also be manually edited.

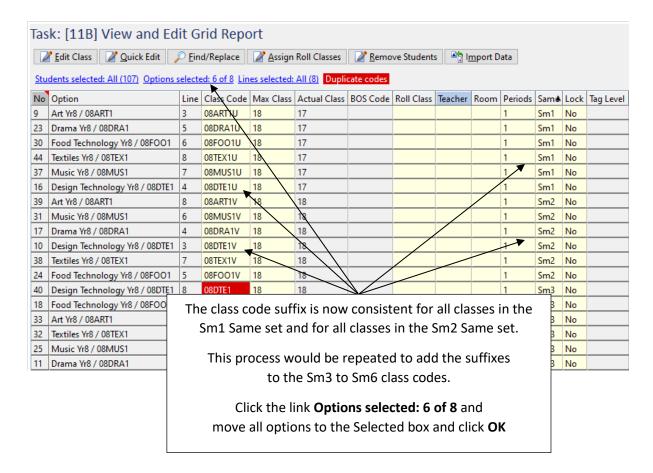


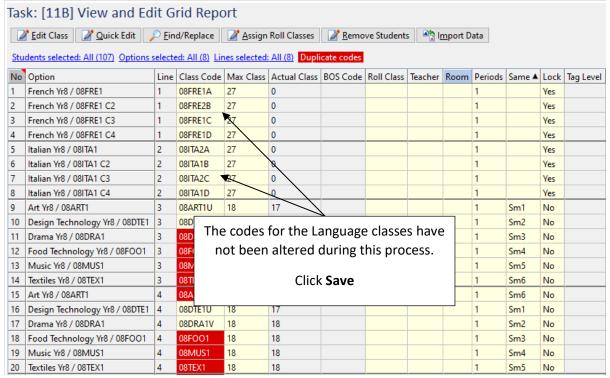
On the Task Tree select: [11B] Edit Grid Report











Save and backup Save and backup the file as Lesson 8.sfx