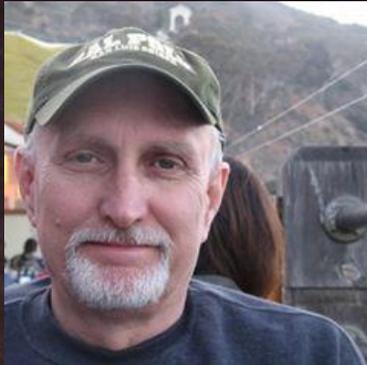




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# Flex Scheduling Queries



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March 2024

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# Flex Scheduling Queries - Overview

## Basic concepts about Flex Scheduling

- Flex Periods (**FTF.SQ**) replace Periods
- Class Calendars (**CCL**) replace days of the week when working on sections.
- Section Staff (**STF**) replace Teachers on the sections
- Flex Scheduling is not required until Next Gen. However, it would be wise to implement Flex prior to Next Gen to avoid multiple training needs at the same time.

# Flex Scheduling Queries

Flex Scheduling Queries (both SMS and MST) are different than “classic” Aeries Scheduling in the following circumstances:

- When you want to view teachers as part of a query – now pulling from the Staff (**STF**) table
- When you want to view periods as part of a query– now pulling from the Flex Periods (**FTF**) table
- When you want to view days that a class meets – now pulling from the Class Calendars (**CCL**) table

## Flex Scheduling – New Tables:

- STF – Staff Table
- FTF – Flex Periods
- FTT – Flex Period Times
  
- SSE – Staff Sections (Query connector table between MST and STF)
- SSM – Staff Scheduling Master (Query connector table between SMS and STF)
  
- CCL – Class Calendars
- CCD – Class Calendar Dates



# Example #1

**SMS** - Provides a list of the High Grade - Low Grade range and Max from Scheduling Master Schedule including scheduling team/group information, sorted by *Teacher Name*

## “Classic” Scheduling Query

```
LIST SMS TCH
TCH.TE TCH.TF
SMS.SE SMS.CN SMS.PD
SMS.BL SMS.SG SMS.CG
SMS.TM SMS.MX
SMS.LO SMS.HI
BY TCH.TE
```

## Flex Scheduling Query

```
LIST SMS SSM STF
STF.FN STF.LN
SMS.SE SMS.FSQ SMS.SG SMS.CG
SMS.TM SMS.LO SMS.HI SMS.MX
BY STF.LN STF.FN
IF SSM.PR = 1
```

## Example #2

SMS - List of Student's ID, Name, Grade Level, Staff ID, Teacher Last Name, Teacher First Name, Flex Short Title, Section Information if First Period sorted by Teacher Last Name Teacher First name

### "Classic" Scheduling Query

```
LIST STU SSS SMS CRS TCH
STU.ID STU.NM STU.GR
TCH.TN TCH.TE TCH.TF
SMS.PD
SMS.RM SMS.SE
CRS.CO
BY TCH.TE
IF SMS.PD = 1
```

### Flex Scheduling Query

```
LIST STU SSS SMS CRS SSM STF
STU.ID STU.NM STU.GR
STF.ID STF.LN STF.FN
FTF.STI
SMS.RM SMS.SE
CRS.CO
BY STF.LN STF.FN
IF FTF.STI = "###" AND SSM.PR = 1
(Enter Flex Short Title for first period)
```

MST - List of classes with Credits not equal to a specific Credit value sorted by Course Number

## “Classic” Scheduling Query

```
LIST MST CRS TCH
MST.SE MST.PD MST.CN
CRS.CO
TCH.TE
MST.ST MST.TS MST.CR
BY MST.CN
IF MST.CR # "####"
```

## Flex Scheduling Query

```
LIST MST CRS SSE STF
MST.SE MST.FSQ MST.CN
CRS.CO
STF.LN STF.FN
MST.ST MST.TS MST.CR
BY MST.CN
IF MST.CR # "####" AND SSE.PR = 1
```

# Example #4

MST - Lists Teacher Educational Service, Language of Instruction and Instruction Strategy codes from the Master Schedule Sections (MST.SE)

## “Classic” Scheduling Query

```
LIST MST TCH
```

```
TCH.TE
```

```
MST.SE MST.ESR MST.LI MST.INS
```



## Flex Scheduling Query

```
LIST MST SSE STF
```

```
STF.LN STF.FN
```

```
MST.SE MST.ESR MST.LI MST.INS
```

```
IF SSE.PR = 1
```

## Example #5 – Flex Diagnostic Query

**SMS** - List of sections that will be identified if Flex Period or Class Calendar is missing or Scheduling Exculsion is turned on. Staff First Name, Staff Last Name, Section, Flex Period, Class Calendar, Scheduling Exclusion by Staff First Name Staff Last Name. (SMS.FSQ and SMS.CSQ are sequence numbers that are the Record numbers from Flex Periods and Class Calendars)



```
LIST SMS SSM STF
STF.FN STF.LN
SMS.SE SMS.FSQ SMS.CSQ SMS.ES
BY STF.FN STF.LN
IF ( SSM.PR = 1 AND SMS.FSQ < 1 ) OR
( SSM.PR = 1 AND SMS.CSQ < 1 ) OR
( SSM.PR = 1 AND SMS.ES = 1 )
```

## Example #6 – Mass Adding Class Calendar

Scheduling Setup - In a case where MST is copied to SMS in Flex Scheduling, all sections and Flex Periods are copied, but there are NO Class Calendars. This Mass Change Query can quickly populate Class Calendars as needed.

This Query should be tested first in a Sandbox before using it on a live database and should only be done by an experienced Aeries Admin.



# Example #6 – Mass Adding Class Calendar

1. Create your Class Calendars – either one that fits all periods or one for each period.
2. List the record ID of the Class Calendars - `LIST CCL SQ SC YR STI DE IF YR = "2024-2025"`
3. List the record ID of the Flex Periods: `LIST FTF SQ SC YR STI DE IF YR : "2024-2025"`
4. `CHANGE SMS SMS.CSQ TO ## IF SMS.FSQ = ** (OPTIONAL)`
  1. ## = the record ID of the Class calendar for a certain period
  2. \*\* = the record ID of the Flex Period for the same period
5. Repeat the QUERY CHANGE statement for each period (if you have a Class Calendar for each period.)
  - Example Period 1 `CHANGE SMS SMS.CSQ TO 126 IF SMS.FSQ = 2`

# Key Take Aways

- Basic Concepts of Flex
- Flex Scheduling Tables
- Flex Schedule Table sequence
- Examples of “Classic” Scheduling Queries vs Flex Scheduling Queries
- Diagnostic Flex Scheduling Queries
- Mass Change to populate Sections with Class Calendars
- More Scheduling Queries located at:
  - <https://support.aeries.com/support/solutions/articles/14000094526-scheduling-queries>



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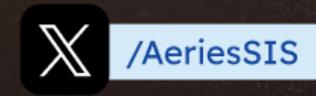
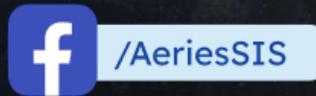


- 265 - Multi-Table Queries
- 270 - Advanced Query
- 320 - Master Schedule Building Theory (Flex)
- 325-1 - Flex Scheduling – Traditional Bell Schedule
- 330 - Scheduling Master Schedule Board (Flex)

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