

Pupil Academic Monitoring System

Check List for GCE 'N' Level Results - 2023

The following is the Guideline for Converting and Analysing GCE 'N' Level Results.

Your PAMS should be Version **5.00 dated 31 Jul 2023** or later. If not, you may upgrade from

<https://www.rjcat.com>

only schools with Service Contract for Year 2023 may upgrade

S.T.E.P.S.

- 1 Change System Year - You will need to change the System Year to 2023 so that PAMS can reminder the Year you are processing.
- 2 Check GCE Code Mapping & Check Subject Subject Grading - You will need to ensure that the GCE Codes are mapped to the PAMS Subject Codes accordingly. Otherwise, you will get "Undefined GCE Codes" during the Conversion.
- 3 Check Subject Pairing - You need to pair subjects especially for SBB and OOS Subject. Paired Sub jects can be used once. For example:
 - EL(NA) and EL(Exp)
 - Maths(NA) and Maths(Exp)
- 4 Merge Prelim Results for Express Subjects - You will need to Merge the Prelim Results for Express Subjects so that the Aggregate will include the Prelim Results for these Subjects while waiting for GCE 'O' Level Results.
- 5 Convert GCE 'N' Level Results - You will first download the GCE Text File from MOE and save it into your computer. Convert will import the Data from the TextFile into PAMS format.
- 6 Process Results - After you have converted the GCE Results, you are ready to process the GCE Results. Processing will compute and tabulate the Results, preparing data for Printing.

The first 3 steps can be done prior to release of GCE Results.

After you have gone through all the STEPS, you may proceed to Print all the relevant Reports for Analysis.

Step 1 - Change System Year

This is to ensure that you are dealing with the correct year data.

Menu Access: System Table Menu || Setup Table

Setup Table

Change to 2023

Main

Current Year: 2023

Photograph Location (Drive & Folder):

Backup Location (Drive & Folder):

Last AutoBackup Date/Time:

Target Method

Computation Method: Enhanced Method

Expected MSG: Truncated MSG

Max Subject to Count (Average Marks)

	Express	Normal (A)	Normal (T)
Level 1	99	99	99
Level 2	99	99	99
Level 3	99	99	99
Level 4	99	99	99
Level 5		99	

Buttons: Add, Delete, Save, Cancel, Close

STEPS:

- Change the Current Year to **2023**
- Click Save Button
- Click Close Button

Step 2 - Check GCE Code Mapping

Since the Subject Codes and the GCE Codes are not the same, you will need to map them accordingly. Otherwise, you may encounter “GCE Codes not defined” when you convert the GCE Results.

Use the 1st GCE for the main mapping. The 2nd GCE is meant for Subject with different GCE Syballus.

You should ensure that ALL the GCE Codes for Level 4 Normal (A) and Normal (T) are defined.

Menu Access: System GCE Menu || **Subject Grading Scheme**

Map GCE Code for Level taking GCE Examinations

Pupil Academic Monitoring System - Version 5.00 - Dated : 31 Jul 2023

Subject Grading Scheme

Drag a column header here to group by that column

Main			Subject Info						SBB Conversion		GCE Code	
Year	Levl	Stream	Code	Abbr	Desc	Cat	Grading Schem	Pair	Type	Mks	1st	2nd
2023	4	NA	EL1	EL1	English Language	EL1	EX (A1 to F9)				1128	
2023	4	NA	EL1(SYLA)	EL1 (NA)	English Language (Syll A)	EL1	NA (1 to U)	1			1190	
2023	4	NA	CL	CL	Chinese	MT2	EX (A1 to F9)	2			1160	
2023	4	NA	CL N(A)	CL N(A)	Chinese N(A)	MT2	NA (1 to U)	2			1196	
2023	4	NA	ML	ML	Malay	MT2	EX (A1 to F9)	2			1148	
2023	4	NA	ML N(A)	ML N(A)	Malay N(A)	MT2	NA (1 to U)	2			1197	
2023	4	NA	HUM(SS,GE)	HUM(S/G)	Humanities (Ss, Geography)		NA (1 to U)	4			2175	
2023	4	NA	HUM(SS,HE)	HUM(S/H)	Humanities (Ss, History)		NA (1 to U)	4			2176	
2023	4	NA	_HUM(SS,GE)	_HUM(SS,GE)	_HUM(SS,GE)		EX (A1 to F9)	4			2272	
2023	4	NA	_HUM(SS,HE)	_HUM(S/H)	_HUM(SS,HE)		EX (A1 to F9)	4			2273	
2023	4	NA	A MATHS NA	AMATH NA	Additional Mathematics	MTH	NA (1 to U)				4051	
2023	4	NA	MATHS				EX (A1 to F9)				4048	
2023	4	NA	MATHS (NA)				NA (1 to U)	3			4045	
2023	4	NA	SCI(P,C)				NA (1 to U)	6			5105	
2023	4	NA	_SCI(P,C)				EX (A1 to F9)	6			5076	
2023	4	NA	ART (NA)				NA (1 to U)				6125	
2023	4	NA	D&T	D&T	Design & Technology	OTH	NA (1 to U)				7055	
2023	4	NA	FRENCH	FRENCH	French	OTH	EX (A1 to F9)				3917	
2023	4	NA	POA	POA	Principles Of Accounts	OTH	NA (1 to U)				7086	
2023	4	NA	CLB	CLB	Chinese B	GRD	GO (MPU)				1153	
2023	4	NA	PE	PE	Physical Education	NON	GO (A to E)					
2023	4	NT	EL1(SYLA)	EL1 (NA)	English Language (Syll A)	EL1	NA (1 to U)	1			1190	
2023	4	NT	EL1(SYLT)	EL1 (T)	English Language (Syll T)	EL1	NT (A-U)	1			1195	
2023	4	NT	BCL	BCL	Basic Chinese	MT2	NT (A-U)	2			1202	
2023	4	NT	BML	BML	Basic Malay	MT2	NT (A-U)	2			1203	
2023	4	NT	CL N(A)	CL N(A)	Chinese N(A)	MT2	NA (1 to U)	2			1196	
2023	4	NT	ML N(A)	ML N(A)	Malay N(A)	MT2	NA (1 to U)	2			1197	
2023	4	NT	MATHS (NA)	MATH (NA)	Mathematics (Syllabus A)	MTH	NA (1 to U)	3			4045	
2023	4	NT	MATHS(T)	MATH (T)	Mathematics (Syllabus T)	MTH	NT (A-U)	3			4046	

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(Level = 4) and ((Stream = NA) or (Stream = NT))

Customize...

STEPS:

- Select a Subject
- Enter the GCE Code (For Normal (A) and Normal (T) Grading Scheme only)
- Check the Grading Scheme
- Repeat the above Steps for the rest of the Subjects

Step 3 - Subject Pairing

For students offered SBB or OOS subjects, you need to pair the subject as only one of them can be used. For example:

- EL(NA) and EL(Exp)
- Maths(NA) and Maths(Exp)

Menu Access: System Table Menu – **Subject Table**

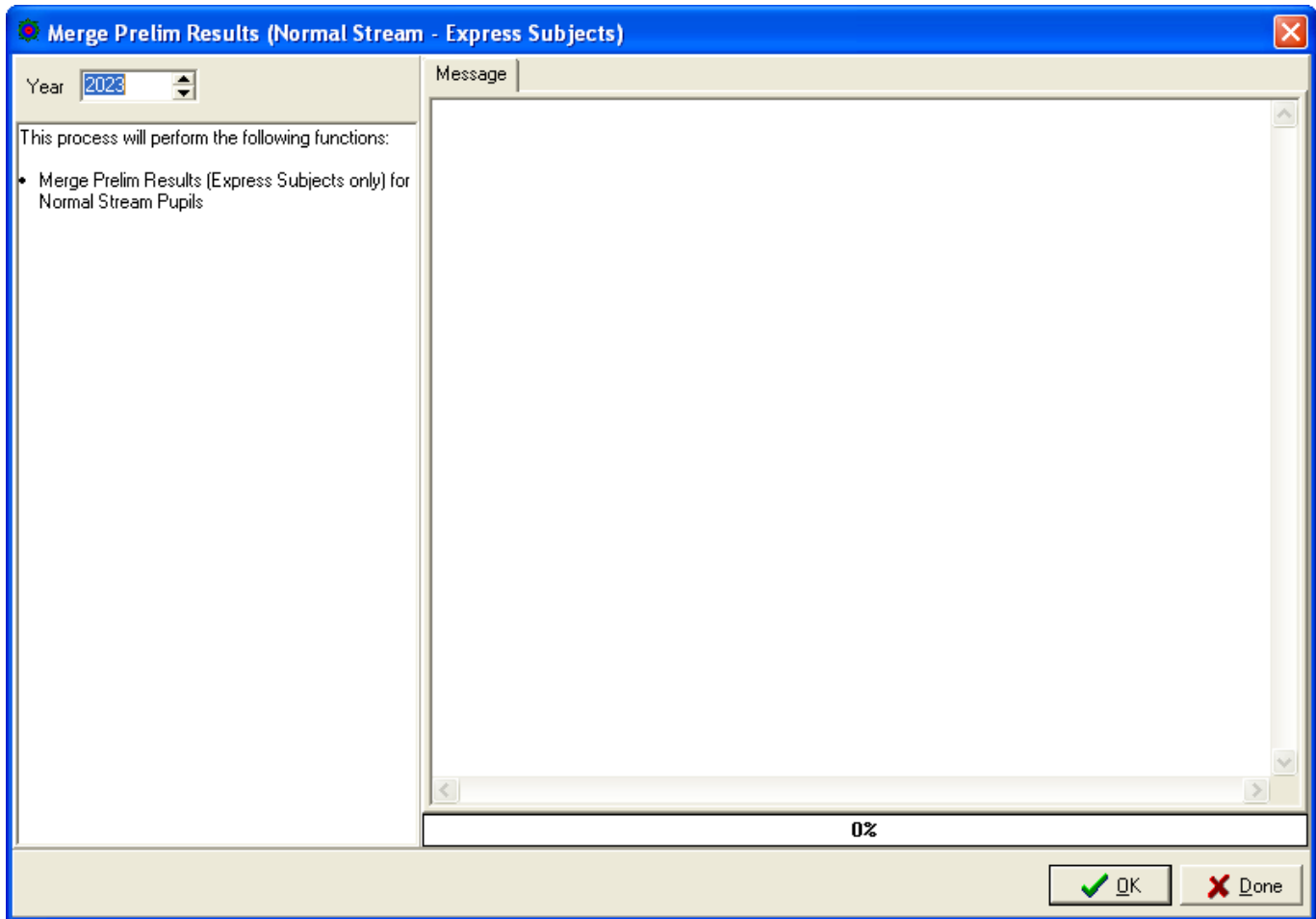
Subject Info				Mapping List (Use Subject Code or Abbr)				
Code	Abbr	Description	Pair	1st	2nd	3rd	4th	5th
+	Cat : EL1							
+	Cat : HMT							
+	Cat : MT2							
+	Cat : HUM							
-	Cat : MTH							
	@MATHS	@MATHS	@MATHS	3	MATHS			
	A MATHS	A Maths	Additional Mathematics	2	Maths	A Maths NA	_MATHS	
	A MATHS NA	A Maths NA	Additional Mathematics	2	MATHS			
	MATHS	Maths	Mathematics	3	Maths (Na)	_MATHS		
▶	MATHS (NA)	Maths (NA)	Mathematics (Syllabus A)	3	MATHS	_MATHS		@MATHS
	MATHS(T)	Maths(T)	Mathematics (Syllabus T)	3	MATHS	@MATHS		
	_MATHS	_MATHS	_MATHS	3	MATHS			
+	Cat : SCI							
+	Cat : OTH							
+	Cat : GRD							
+	Cat : NON							

You can use any number for the pairing.

Step 4 - Merge Prelim Results

To merge prelim Results for “Express” Subjects offered to Normal (A) pupils. The purpose is to enable school to rank the pupils while waiting for the GCE ‘O’ Level Results which will be released much later.
(GCE ‘O’ Level Results will overwrite the Prelim Results when available)

Menu Access: System GCE Menu || [Merge Prelim Results \(Normal Stream\)](#)



STEPS:

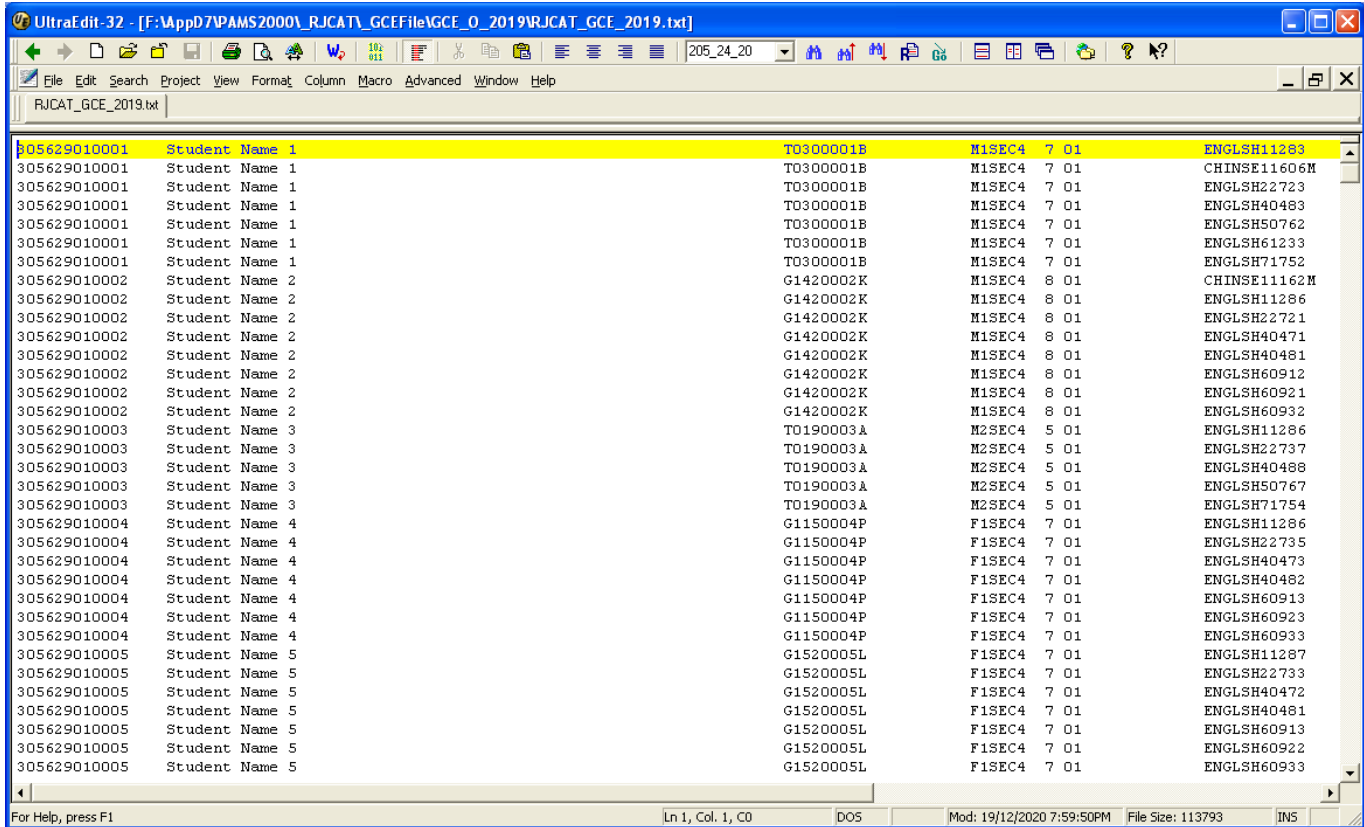
- Set the Year to **2023**
- Click the OK button

Step 5 - Convert GCE 'N' Level Results

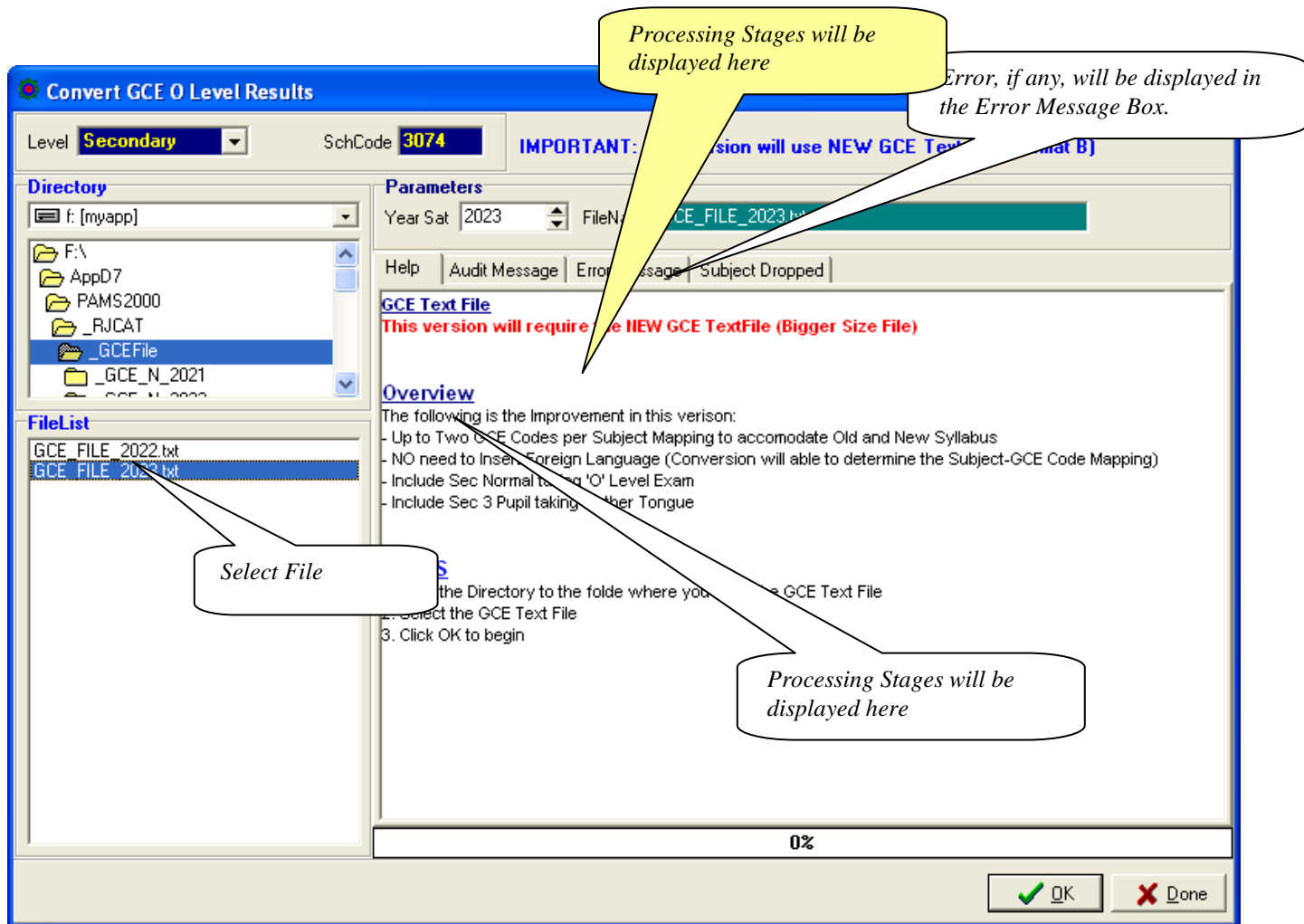
To convert GCE 'N' Level Results into PAMS format. Prior to converting, you will need to download the GCE Text File from MOE..

IES provides 2 sets of text file. **(Use Format B).**

You can open up the text file to check.



ID	Student Name	Course Code	Section	Credits	Subject
305629010001	Student Name 1	T0300001B	M1SEC4	7 01	ENGLSH11283
305629010001	Student Name 1	T0300001B	M1SEC4	7 01	CHINSE11606M
305629010001	Student Name 1	T0300001B	M1SEC4	7 01	ENGLSH22723
305629010001	Student Name 1	T0300001B	M1SEC4	7 01	ENGLSH40483
305629010001	Student Name 1	T0300001B	M1SEC4	7 01	ENGLSH50762
305629010001	Student Name 1	T0300001B	M1SEC4	7 01	ENGLSH61233
305629010001	Student Name 1	T0300001B	M1SEC4	7 01	ENGLSH71752
305629010002	Student Name 2	G1420002K	M1SEC4	8 01	CHINSE11162M
305629010002	Student Name 2	G1420002K	M1SEC4	8 01	ENGLSH11286
305629010002	Student Name 2	G1420002K	M1SEC4	8 01	ENGLSH22721
305629010002	Student Name 2	G1420002K	M1SEC4	8 01	ENGLSH40471
305629010002	Student Name 2	G1420002K	M1SEC4	8 01	ENGLSH40481
305629010002	Student Name 2	G1420002K	M1SEC4	8 01	ENGLSH60912
305629010002	Student Name 2	G1420002K	M1SEC4	8 01	ENGLSH60921
305629010002	Student Name 2	G1420002K	M1SEC4	8 01	ENGLSH60932
305629010003	Student Name 3	T0190003A	M2SEC4	5 01	ENGLSH11286
305629010003	Student Name 3	T0190003A	M2SEC4	5 01	ENGLSH22737
305629010003	Student Name 3	T0190003A	M2SEC4	5 01	ENGLSH40488
305629010003	Student Name 3	T0190003A	M2SEC4	5 01	ENGLSH50767
305629010003	Student Name 3	T0190003A	M2SEC4	5 01	ENGLSH71754
305629010004	Student Name 4	G1150004P	F1SEC4	7 01	ENGLSH11286
305629010004	Student Name 4	G1150004P	F1SEC4	7 01	ENGLSH22735
305629010004	Student Name 4	G1150004P	F1SEC4	7 01	ENGLSH40473
305629010004	Student Name 4	G1150004P	F1SEC4	7 01	ENGLSH40482
305629010004	Student Name 4	G1150004P	F1SEC4	7 01	ENGLSH60913
305629010004	Student Name 4	G1150004P	F1SEC4	7 01	ENGLSH60923
305629010004	Student Name 4	G1150004P	F1SEC4	7 01	ENGLSH60933
305629010005	Student Name 5	G1520005L	F1SEC4	7 01	ENGLSH11287
305629010005	Student Name 5	G1520005L	F1SEC4	7 01	ENGLSH22733
305629010005	Student Name 5	G1520005L	F1SEC4	7 01	ENGLSH40472
305629010005	Student Name 5	G1520005L	F1SEC4	7 01	ENGLSH40481
305629010005	Student Name 5	G1520005L	F1SEC4	7 01	ENGLSH60913
305629010005	Student Name 5	G1520005L	F1SEC4	7 01	ENGLSH60922
305629010005	Student Name 5	G1520005L	F1SEC4	7 01	ENGLSH60933



STEPS:

- Set the Year to **2023**
- Point the Directory to the GCE Text File
- Select the GCE Text File
- Click the **OK** button

Note:

Please note that all the GCE 'N' Level Subjects MUST be mapped with a corresponding GCE Codes before conversion can be completed successfully. You may refer to the Chapter on "Set Subject Targets" for more details.

All Incomplete Mapping will be display in the "Error Message" Tab.

Step 6 - Process Results

Processing Results basically prepare the data for Printing.

Menu Access: System GCE Menu || **Process Results**

STEPS:

- Set the Year to **2023**
- Select Level 4
- Select Stream (Normal A & Normal T)
- Select Exam Type (GCE 'O'/'N' Level)
- Click the **Process** button

During the Processing, the Audit Report will appear in the Process Box and Message Tab. Should an error occurs, the error message will appear in the Error Tab.

Once the Processing is completed, you are ready for Printing.

Manual Change to GCE Results

You may check what you have converted or manually change the results.

Menu Access: Main Menu || **View Results**

Pupil Academic Monitoring System - Version 5.00 - Dated : 07 Jan 2022

Pupil Table

Pupil Info

Name: Pupil 2020-44-01
 Class: 44, R/N: 01, Stream: EP, Gender: F
 NricNo: T0426303G, Birth Date: 08/09/2004
 Adm No: 3239170175, Adm Date: 14/12/2016

Results

State	Year	Subject	Sem2				Overall				GCE				Teaching Group		
			ks	Grd	Msg	Sat	Mks	Grd	Msg	Sat	Mks	Grd	Msg	GP	T01	T02	T03
OKm	2020	A MATHS	44.0	E8	8.0	✓	44.0	E8	8.0	✓	B4	4.0	4AM2	TEACHER 021			
OKm	2020	D&T	77.0	A1	1.0	✓	77.0	A1	1.0	✓	B3	3.0	4T05	TEACHER 001			
OKm	2020	EL1	59.0	C5	5.0	✓	59.0	C5	5.0	✓	C6	6.0	4E10	TEACHER 110			
OKm	2020	HUM(SS.HE)	57.0	C5	5.0	✓	57.0	C5	5.0	✓	B3	3.0	4HE2	TEACHER 001	TEACHER 003		
OKm	2020	MATHS	69.0	B3	3.0	✓	69.0	B3	3.0	✓	A2	2.0	4MA6	TEACHER 021			
OKm	2020	PE															
OKm	2020	SCI(C.B)	62.0	B4	4.0	✓	62.0	B4	4.0	✓	B3	3.0	4S17	TEACHER 629	TEACHER 030		
OKm	2020	TL	62.0	B4	4.0	✓	62.0	B4	4.0	✓	B3	3.0	4TL1	TEACHER 001			
OKm	2020	TL_OR				✓				✓	DI						

Callouts:

- These are converted from I-Exam Text File
- Change Grade and MSG and click another record to SAVE

Note: If you have manually changed the results, you will need to process results again.

Append New Subject

Version 5.00 or later will automatically append these subjects (GCE Code starting with '3'). As such, you may skip this steps.

Generally, there is no need to add New Subject Codes as they are handled by the Conversion Routines. However, there may be some subjects which are not captured in Cockpit especially subjects that are taken outside schools. For example: Foreign Languages (Japanese, German, French) and Mother Tongue (Burmese, Punjabi, Gujarati).

In any case, you may Append them manually if needed.

If you are not too sure about the Subject and the Class, you may skip this step and go through the Convert GCE Result where it will display the Error Message indicating the "Undefined GCE Subject". With the list, you can then append the subjects and continue with the rest of the steps sequentially.

Menu Access: System GCE Menu || Class Table

The screenshot shows the 'Pupil Academic Monitoring System - Version Version 5.00 - Dated : 20 Dec 2020' window. The main window is titled 'Class Table' and contains two tables. The left table is a grid with columns: Year, Level, Class, ClassName, Stream, Teacher, and Co-Form. The right table is a smaller grid with columns: Year, Class, Stream, Subject, and Teachers (Code). A yellow callout box points to a '+' button in the bottom right corner of the right table, with the text 'Click "+" to Add Subject'. The status bar at the bottom of the window shows 'Total: 16' and '0%'.

STEPS:

1. Select the Class
2. Click the **“+”** Button to Add Subject
3. Select the New Subject - eg. Mother Tongue (PU)
4. Click the **“Tick”** button to Save

Updating Pupil's NRIC No

Menu Access: System GCE Menu || Pupil Table

Pupil Academic Monitoring System - Version 5.00 - Dated : 20 Dec 2020

View Results

Class [Main] [Class List]

Pupil Info

Name: Pupil 2019-4E1-01

Class: 4E1, R/N: 01, Stream: EP, Gender: F

NRICNo: T0302675I

Birth Date: 22/01/2003

Adm No: 3061160204

Previous Class

Year	Class	RegNo	Stream	Fixed
2016	1E2	02	EP	<input checked="" type="checkbox"/>
2017	2E2	02	EP	<input checked="" type="checkbox"/>
2018	3E1	01	EP	<input checked="" type="checkbox"/>
2019	4E1	01	EP	<input checked="" type="checkbox"/>

Target Results Summary

Year	Subject	RJ	CA1				Standard Component						
			Sat	Mks	Grd	Msg	Sat	Mks	Grd	Msg			
2019	A MATHS	0	<input checked="" type="checkbox"/>	34.0	F9	9.0	<input checked="" type="checkbox"/>						
2019	EL1	0	<input checked="" type="checkbox"/>	65.0	B3	3.0	<input checked="" type="checkbox"/>						
2019	HCL	0	<input checked="" type="checkbox"/>	59.0	C5	5.0	<input checked="" type="checkbox"/>						
2019	HCL_OR	0	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>						
2019	HUM(SS.HE)	0	<input checked="" type="checkbox"/>	82.0	A1	1.0	<input checked="" type="checkbox"/>	62.0	B4	4.0	<input checked="" type="checkbox"/>	63.0	B4
2019	LIT(E)	0	<input checked="" type="checkbox"/>	60.0	B4	4.0	<input checked="" type="checkbox"/>	61.0	B4	4.0	<input checked="" type="checkbox"/>	59.0	C5
2019	MATHS	0	<input checked="" type="checkbox"/>	55.0	C5	5.0	<input checked="" type="checkbox"/>	45.0	D7	7.0	<input checked="" type="checkbox"/>	64.0	B4
2019	PE	M	<input type="checkbox"/>				<input checked="" type="checkbox"/>	0.0	C	1.0	<input type="checkbox"/>		
2019	SCI(P.C)	M	<input type="checkbox"/>				<input checked="" type="checkbox"/>	69.0	B3	3.0	<input checked="" type="checkbox"/>	71.0	A2
2019	SSS4EXP-1	M	<input type="checkbox"/>				<input type="checkbox"/>				<input type="checkbox"/>		0.0

Summary: 10, 355.0, 389.0, 0.0, 418.0, 400.0

STEPS:

1. Select the Class
2. Select the Pupil
3. Type the NRICNO
4. Click another student to **Save** button

GCE 'NA' Level Code (extracted from SEAB Website for your reference)

There are 2 GCE Codes for some of the subjects. The 1st Code is for Current Syllabus and the 2nd Code, if any, is for the old syllabus in case of repeat students (The order is not crucial).

Cat	Subject	GCE Code		Cat	Subject	GCE Code	
		1 st	2nd			1 st	2nd
EL1	English Language	1190		SCI	Science (Phy, Chem)	5105	
					Science (Phy, Bio)	5106	
MT2	Chinese	1196			Science (Chem, Bio)	5107	
	Malay	1197					
	Tamil	1198		OTH	POA	7086	
					Nutrition Food Science	6073	
HUM	Literature (English)	2022			Art	6125	
	History	2195			D&T	7055	
	Geography	2246					
					Bengali	3236	
	SS+GEOG	2175			Gujarati	3237	
	SS+HIST	2176			Hindi	3238	
	SS+LIT	2177			Panjabi	3239	
					Urdu	3240	
MTH	Additional Mathematics	4051					
	Mathematics Syllabus A	4045		GRD	Chinese B	1153	
					Malay B	1151	
					Tamil B	1152	

GCE 'NT' Level Code (extracted from MOE Website for your reference)

Cat	Subject	GCE Code		Cat	Subject	GCE Code	
		1 st	2nd			1 st	2nd
EL1	English Language	1195		OTH	Music	6129	
					Food Studies	6079	
MT2	Basic Chinese	1202			Art	6128	
	Basic Malay	1203			D&T	7062	
	Basic Tamil	1204			Computer Application	7018	
					EBS	7066	
MTH	Mathematics Syllabus T	4046			Nutrition Food Science	5979	
SCI	Science (T)	5148					
OTH	Mobile Robotics	A101		GRD	Chinese B	1153	
	Smart Electrical Technology	A201			Malay B	1151	
	Retail Operations	A301			Tamil B	1152	