OxfordAQA

Mock Exams Analysers
A 'how to' guide

OxfordAQA Mock Exams Analysers (MEAs) cover all OxfordAQA Science, Maths and English as a Second Language qualifications – at both GCSE and A-level. They are designed to help you and your students evaluate and analyse their performance in mock exams, providing insights that will help them perform to the best of their ability in their actual International GCSE, AS or A-level exams.

Much of the MEAs' functionality replicates the analytical features of OxfordAQA's Enhanced Results Analysis (ERA) service, with the added benefit that the insights provided are made available *before* students sit their final exams. (You can find out more about ERA in the [Teacher support](#) section of our website.)

There are two sets of MEAs available, relating to two sets of OxfordAQA past papers:

- May/June 2019
- May/June 2022

In both cases, the spreadsheets are pre-populated with relevant information from the exams: questions, assessment objectives, marks available, etc.

Once students have sat their mock exams (you will need to use past papers from one of the exam series mentioned above), you simply enter the students' details and the marks they achieved on each question into the relevant MEA.

The spreadsheet will then auto-populate the relevant analysis of student performance – at both an individual student and whole cohort level – to give you a breakdown of strengths and weaknesses across:

- Different exam papers (if they take more than one)
- Individual questions
- Assessment objectives
- Topics

Step-by-step guide

NOTE: This guide uses the May/June 2022 International GCSE Biology MEA as an example – the practice is the same across all MEAs.

Each MEA provides a step-by-step set of instructions in Column A. Following these instructions will ensure you get the information you need:

Step 1: Enter your students' names

Enter the names of all students from your cohort. This could be a specific group (such as a class) or the entire year group

Step 2: Enter your students' target grades

Enter the target grade for each student. This will enable the spreadsheet to inform you how close students are to their target grade. The MEA will only analyse grades that fall within that exam's grade range, so AS exams will only go up to A, as A* is not available at AS level, GCSE Core MEAs will cover grades 1-5 and GCSE Extension MEAs will cover grades 3-9.

STEP 2 ENTER YOUR STUDENTS' TARGET GRADES	A Alpha	B Beta	C Charlie	D Delta	E Echo	F Foxtrot	G Gamma
	4	5	6	8	7	9	5

Step 3: Enter the number of students who sat that specific paper.

This step is easy to miss but is very important, as it enables the spreadsheet to provide information on average cohort performance – on the paper as a whole, on individual questions and on various aspects of the question paper. You will need to do this for each individual paper, and the number may vary if some students didn't sit all papers. (The spreadsheet defaults to 200, the maximum number.)

STEP 3 ENTER NUMBER OF STUDENTS TO BE COMPARED ON THIS PAPER		
	Please enter the number of students to be compared	7

Step 4: Enter the marks for each student

Enter the mark each student achieved on each question for that paper. This will be the most time-consuming aspect of the MEA but is key to giving you the data you need to analyse your students' performance. The MEA will automatically colour-code this information, to give a visual representation of how well students have done on each question.

	A Alpha	B Beta	C Charlie	D Delta	E Echo	F Foxtrot	G Gamma
	4	5	6	8	7	9	5
	3	4	6	6	5	7	5
STEP 4 ENTER MARKS FOR EACH STUDENT	0	1	2	1	1	2	1
	0	0	1	1	0	1	0
	0	1	0	0	0	1	1
	0	1	1	2	1	1	0
	1	0	1	0	1	0	1
	0	1	1	0	1	2	1

Step 5+: Add the same information for all papers students sat

Each MEA will cover all the exams available in that exam series. You will need to enter the number of students who sat each paper, along with their marks, for each exam that was sat as part of the mock exam process. The MEA will give you with an analysis of each individual paper *and* how students performed across all papers sat.

STEP 5 ENTER NUMBER OF STUDENTS TO BE COMPARED ON THIS PAPER

STEP 6 ENTER MARKS FOR EACH STUDENT

oxfordaqa.com

How to analyse student results and performance

Once populated, the MEA will give you a range of useful data metrics by which you can analyse student and cohort performance.

Overall performance:

| Overall Subject Comparison Summary		Max Mark	Class Mean Mark	Class Facility %	A Alpha	B Beta	C Charlie	D Delta	E Echo	F Foxtrot	G Gamma
Overall Subject Target Grade					4	5	6	8	7	9	5
Overall Subject Achieved Grade					3	4	6	6	5	7	5
Paper 9201/1	Achieved Grade				3	4	6	6	5	7	5
Paper 9201/1	Marks Achieved	90	40.57	45.08	26	34	46	44	39	55	40
Paper 9201/2	Achieved Grade				3	4	7	6	5	6	5
Paper 9201/2	Marks Achieved	90	44.43	49.37	28	34	56	53	43	52	45
Overall Subject Total Mark		180	85.00	47.22	54	68	102	97	82	107	85
Marks required to achieve Overall Subject Grade (combined from all papers)					11	9	0	19	21	22	0

The top grid of the MEA will show how well the cohort did on each paper and overall, as both a mean mark and as a percentage. It also shows the grade each student achieved on each paper and overall, as well as how many marks they were away from their target grade.
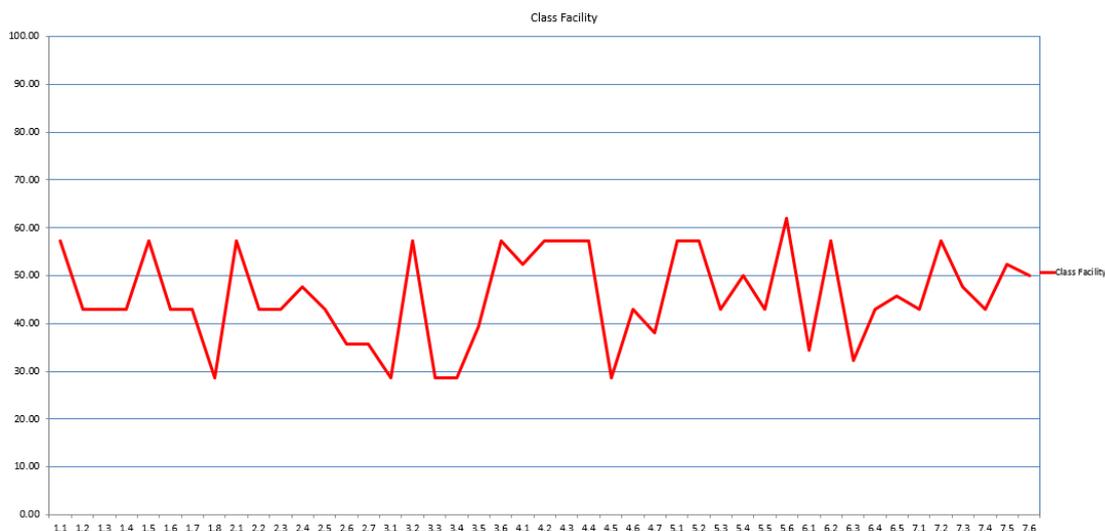
Performance on each question paper:

	Max mark	Total Class Mean Mark	Class Facility %	A Alpha	B Beta	C Charlie	D Delta	E Echo	F Foxtrot	G Gamma
AO1	37	15.76	42.60	11	14	20	16	16	23	11
AO2	35	16.35	46.72	11	12	18	15	15	22	22
AO3	12	5.89	49.05	3	6	5	9	5	8	5
AO4	6	2.57	42.86	1	2	3	4	3	2	3
Maths	8	3.79	47.32	2	4	5	4	3	5	5
Practical	3	1.43	47.62	0	1	3	2	1	2	1
Extended Response	16	6.86	42.86	3	4	7	8	7	14	5
Organisation	6	2.86	47.62	2	3	4	2	4	3	2
Bioenergetics	18	7.43	41.27	7	4	9	8	7	9	8
Ecology	24	11.10	46.23	7	8	11	14	11	16	11
Interaction with environment	33	15.33	46.46	8	16	18	16	13	21	15
Inheritance	9	3.86	42.86	2	3	4	4	4	6	4
TOTAL	90	40.57	45.08	26	34	46	44	39	55	40
Student name				A Alpha	B Beta	C Charlie	D Delta	E Echo	F Foxtrot	G Gamma
Student target grade				4	5	6	8	7	9	5
Achieved grade on paper				3	4	6	6	5	7	5
Marks required to achieve grade on paper				5	3	0	12	10	8	0

Below each exam paper grid, the MEA shows student performance against each assessment objective and subject area. It shows cohort performance (mean mark and percentage) as well as how well each student did on those aspects, colour-coded for ease of analysis. It also shows how many marks students were from their target grade on that paper.

This information is also presented as a bar chart:

oxfordaqa.com
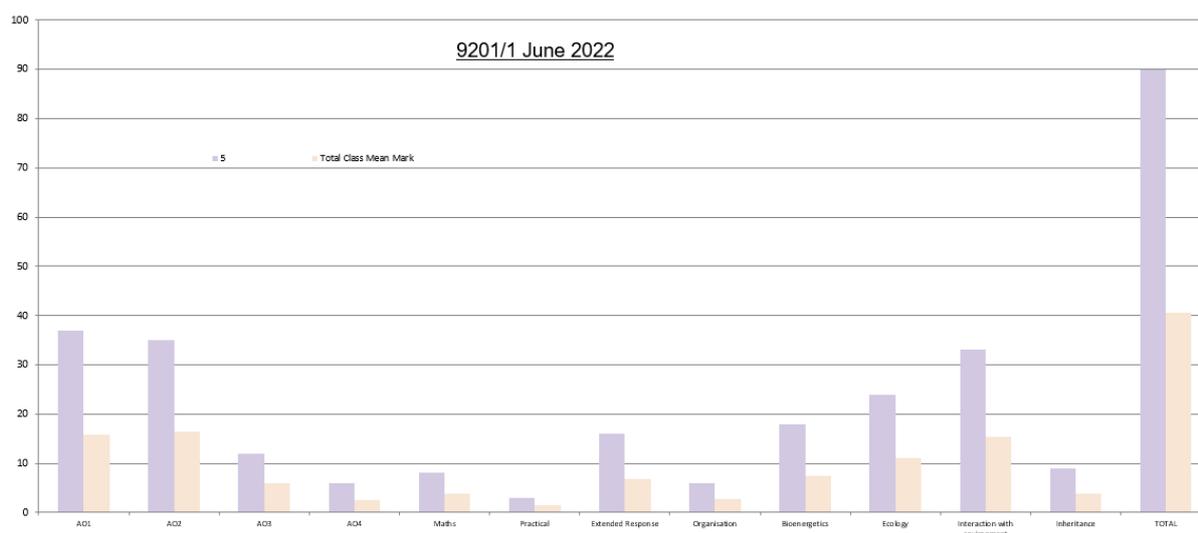
Class facility:

The class facility graph tracks student perfomance (as a percentage score on each question) across the course of the exam, enabling you to see how performance varied as students made their way through the exam paper.

Performance across all papers:

Subject Grade Boundaries - GCSE Biology- June 2022 (combined from 9201/1 and 9201/2)			9201/1 and 9201/2 combined	Max Mark	Total Class Mean Mark	Class Facility %
Overall Grade Boundaries			AO1	54	24.15	44.73
Grade	Total Mark/180		AO2	71	34.17	48.13
9	129		AO3	34	16.96	49.87
8	116		AO4	21	9.71	46.26
7	103		Maths	25	12.50	50.00
6	90		Practical	26	12.86	49.45
5	77		Extended response	27	12.29	45.50
4	65		Organisation	16	7.43	46.43
3	48		Bioenergetics	61	30.14	49.41
2	31		Ecology	29	13.52	46.63
1	15		Interaction with environment	37	17.48	47.23
			Inheritance	32	14.00	43.75
			TOTAL	180	85.00	47.22
			9201/1	**Max Mark**	**Total Class Mean Mark**	**Class Facility %**

If students sit more than one paper as part of their mock exam series, the MEA will combine their performance in each paper into an overall performance table at the top of the spreadsheet. Again, this will break down cohort performance against various aspects of the assessment.

As with the individual paper performance, this data will also be represented as a bar chart: