

Technology and Living (Food Science and Technology) SBA Conference

Mark submission for 2024 Exam and SBA Arrangements for 2025 & 2026 Exams

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21 Oct 2023

SBA requirements and Mark Submission for 2024 Exam

Circular Ref: DSE/CR 3/2023; dated 28/3/2023

Technology & Living	Paper 1 30%	No change
	Paper 2 40%	No change
	SBA 30%	Resume SBA Candidates are required to complete the <u>Project/Design folio only</u> , with its weighting adjusted from 20% to 30%. No need to submit the prescribed task.

Circular Ref: DSE/SBA/GEN 23/1; dated 14/9/2023

			Requirements			Cubmissis
Subject	SBA Requirement	S5 Requirement	S6 Requirement	Student Work (Note 1)	Teacher Document (Note 1)	Submission period
Technology and Living	A prescribed task and project / design folio	2 marks on Prescribed Tas 5 marks on Project / Desig		Marked prescribed task and a project / design folio of six students, chosen by the HKEAA, are to be submitted.	Nil	8 - 29 Jan 2024



Revised SBA Handbook for 2024 Exam

https://www.hkeaa.edu.hk/DocLibrary/SBA/HKDSE/SBAhandbook-2024-TL-E_Aug2023.pdf (updated in Aug 2023)

Use of Artificial Intelligence (AI) tools in SBA

Students should know:

- · Used properly, AI tools can offer new opportunities in learning
- However, overreliance and misuse of AI tools will diminish the authentic learning opportunities
- And AI tools have their shortcomings
- Using an AI tool to gain an undue advantage is a malpractice and can have serious consequences
- Use of AI tools in SBA must be properly acknowledged



Examples of acknowledging AI tools in Student Work

Al tool used: ChatGPT

A short description of actions: I input the prompt 'Symbolism in *To Kill a Mockingbird*' on 11 July 2023.

Summary of output*: ChatGPT provided four examples: the mockingbird; the Radley Place; the tree in the Radley yard; and the snowman. An explanation of each of these was given.

*Student should save the output from the AI tool. The teacher might inspect the output for checking.



References

- 1. SBA Teachers Handbook
 - See Ch 3.3, Ch 6 and the updated Student Declaration Form
 - https://www.hkeaa.edu.hk/en/sba/sba_teachers_handbooks/2023_2024.htm l (ENG)
 - https://www.hkeaa.edu.hk/tc/sba/sba_teachers_handbooks/2023_2024.html (CHI)
- 2. Updated Student Declaration Form
 - .docx version
 - https://www.hkeaa.edu.hk/DocLibrary/SBA/HKDSE/SBA_Student_Declaration _Form_E.docx (ENG)
 - https://www.hkeaa.edu.hk/DocLibrary/SBA/HKDSE/SBA_Student_Declaration _Form_C.docx (CHI)



References

- 3. Information on SBA Booklet
 - Information for students and parents
 - Examples of acknowledging AI tools
 - https://www.hkeaa.edu.hk/DocLibrary/Media/Leaflets/SBA_booklet_eng.pdf (ENG)
 - https://www.hkeaa.edu.hk/DocLibrary/Media/Leaflets/SBA_booklet_chi.pdf (CHI)



Submission of SBA Marks for 2024 Exam

• SBA Mark Template for 2024 Exam

(https://www.hkeaa.edu.hk/en/SBA/forms/mark_template/)

1			SF	RA Mark Te	emplate fo	r 2024	HKDSE Examination	on (Te	chno	ogy and I	iving - Food Science ar	nd Technology)			
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			, teachers may also e		Design					 deve 	elopment of study	items /design idea	s 10	70	
4	. For 'E'	case, if a s	school cannot provide	special arrang	Folio		Realisation and	4				item /design idea	_		
			HKEAA's special con					u	\vdash					_	
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14	- Re	alisation	and Evaluation]						
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15		overall evaluation		1		1	1 single lesson								
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4						lessons	8				1				

Submission of SBA Marks for 2024 Exam (Cont'd)

9	Clas Nam	Student Name (Eng)		Development of study items (0-10)	Evaluation	Communication and presentation (0-5)
10						
1.						

40

Proposal	development of the project outline / design brief and study item / design specification	10
	 development of study items /design ideas 	10
Realisation and	 realisation of the study item /design idea 	15
evaluation	communication and presentation	5

Project	Suggested maximum	Suggested lesson time	Mark	Total
		(based on 40 mins / lesson)		Mark
- Proposal		**	•	
(i) Design Task / Problem	0.5	1 double lesson	10	
(ii) Design Brief	0.5	1 single lesson		
(iii) Research	4	1 double lesson		
(iv) Design Specification	1	1 single lesson		Ц
(v) Idea Generation (5 - 7)	4	1 double lesson	10	40
(vi) Developing Own Ideas (2 - 3)	6	1 - 2 double lessons + 1 single lesson		
- Realisation and Evaluation				Ξ.
(vii) Final product making (1)	3	1 double lesson	15	
(viii) Overall evaluation	1	1 single lesson		Ţ
Communication and presentation			5	
	Total: ≤ 20 pages	Total: about 14 - 16 single lessons		



SBA Teachers' Handbook: Assessment Rubrics in Chapter 2

Assessment	Typical performance	Marks
Development of the project outline / design brief and specification for study items / design specification (10-point scale)	Develop the project outline / design brief with details showing relation to the aim of the scope of study / design task Provide substantial evidence of background reading in formulating the project outline / design brief Provide a thorough and systematic specification for study items / design specification, in which the various proposed ways of collecting and selecting relevant information are appropriate	9-10
	Develop the project outline / design brief, which bears some relation to the aim of the scope of study / design task Provide some evidence of background reading in formulating the project outline / design brief Provide a systematic specification for study items / design specification, in which most of the proposed ways of collecting and selecting relevant information are appropriate	6-8
	Develop the project outline / design brief, which bears little relation to the aim of the scope of study / design task Provide little evidence of background reading in formulating the project outline / design brief Provide a crude and general specification for study items / design specification, in which some proposed ways of collecting and selecting information are appropriate	3-5
	Develop the project outline / design brief, which is not relevant to the aim of the scope of study / design task Provide no evidence of background reading in formulating the project outline / design brief Provide a specification for study items / design specification, in which few proposed ways of collecting and selecting information are appropriate	1-2

Assessment criteria	Typical performance	Marks
Development of study items / design ideas (10-point scale)	Develop a range of creative and feasible study items / design ideas, demonstrating a deep understanding of relevant subject-specific theories Make decisions that are supported with sound justifications Suggest a feasible, logical and sensible work sequence for each of the shortlisted study items / design ideas	9-10
	Develop some creative and feasible study items / design ideas, demonstrating a general understanding of relevant subject-specific theories Make decisions that are supported with some reasoned judgements Suggest a feasible and sensible work sequence for each of the shortlisted study items / design ideas	6-8
	Develop very few study items / design ideas, demonstrating little or limited understanding of relevant subject-specific theories Make decisions that have few supporting reasons Suggest a feasible work sequence for each of the shortlisted study items / design ideas, but modification is needed	3-5
	Develop infeasible study items / design ideas, demonstrating very little / incorrect understanding of relevant subject-specific theories Make decisions that have no supporting reasons Suggest a work sequence that is not sensible / feasible	1-2

Assessment criteria	Typical performance	Marks
Realisation of the study item /	Present a solution with sound justifications Demonstrate comprehensive knowledge and proficient skills in	12-15
design idea	analysing and solving / evaluating problems / situations	
(15-point scale)	Use methods and equipment proficiently in the realisation of the	
5 (5) (4 To 1) (1) (1) (1) (1) (1) (1) (1)	aim of the scope of study / design task, producing high quality	
	product(s)	
	Demonstrate a range of sophisticated preparation skills in the	
	production process, with high regard for safe working practices	
	Demonstrate substantial knowledge and competent skills in	
	analysing and solving / evaluating problems / situations	
	Use methods and equipment properly in realisation of the aim of	
	the scope of study / design task, producing quality product(s)	
	Demonstrate some sophisticated preparation skills in the	
	production process, with some regard for safe working practices	
	Present a solution with limited justifications	4-7
	Demonstrate some knowledge in analysing and solving /	4-1
	evaluating problems / situations	
	Use some methods and equipment properly, producing product(s)	
	which demonstrate partial realisation of the aim of the scope of	
	study / design task	
	Demonstrate few simple preparation skill(s) in the production	
	process, with limited regard for safe working practices	1-3
	Present a solution with no justifications	1-3
	Demonstrate limited knowledge in analysing and solving /	
	evaluating problems / situations	
	Use methods and equipment improperly most of the time,	
	producing low quality product(s) which demonstrate little / no	
	realisation of the aim of scope of study / the design task	
	Demonstrate poor preparation skills in the production process,	
	with very little / no regard for safe working practices	
Communication	Present the contents in a logical and well-organised manner	4-5
and presentation	Make accurate use of scientific and technological terms	
5-point scale)	throughout the project / design folio	- 72
	Present the contents in a fairly organised manner	3
	Make accurate use of scientific and technological terms in most	
	parts of project / design folio	
	Present the contents in a barely organised manner	2
	Make accurate use of scientific and technological terms in some	
	parts of the project / design folio	
	Present the contents in a poorly organised manner	1
	Limited or incorrect use of scientific and technological terms in	
	the project / design folio	

Submission of SBA Marks for 2024 Exam (Cont'd)

Submission period: 8-29 Jan 2024

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Overview of SBA Submission Process

Subject Subject School Subject Principal Panel Panel Teacher Administrator (2nd stage) (1st stage) **Endorse SBA** • Update/Create • Create Input SBA • Endorse SBA marks (online marks marks for all login accounts teaching for teachers input or batch submitted by subjects groups all teachers of input using the and panels Assign • If necessary, mark template) a subject students to Indicate the

Endorse SBA

marks of

- SBA subjects being offered in this school year
- Assign SBA subjects to panels and teachers
- teaching groups Assign teachers to teaching
 - group(s) groups
- responsible teaching Submit SBA Marks to Panel
- If necessary, return to teacher for amendments Submit SBA Marks to Principal
- return to panel Upload to handle
- Submit SBA Marks to **HKFAA**
- Upload Student Work of all selected students

Subject

Panel

(Last stage)

Teacher Document if required



Submission of SBA Marks for 2024 Exam (Cont'd)

HKDSE Examination System website: www.hkdse.hkeaa.edu.hk

Subject Panel assigns Teaching Groups



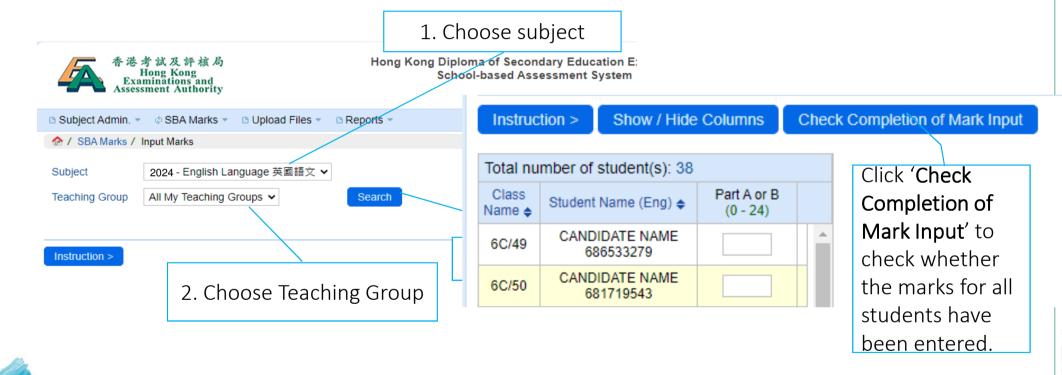
- Using the online interface or
- Using the batch mode (via EXCEL file)

Submit marks to Panel

•In case the Subject Panel rejects the marks, update and re-submit the marks.

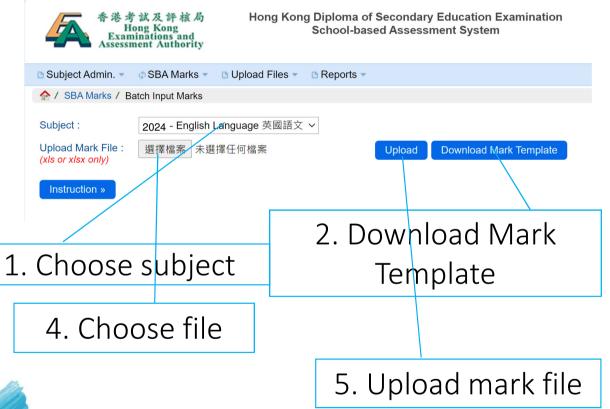


Subject Teacher – input marks





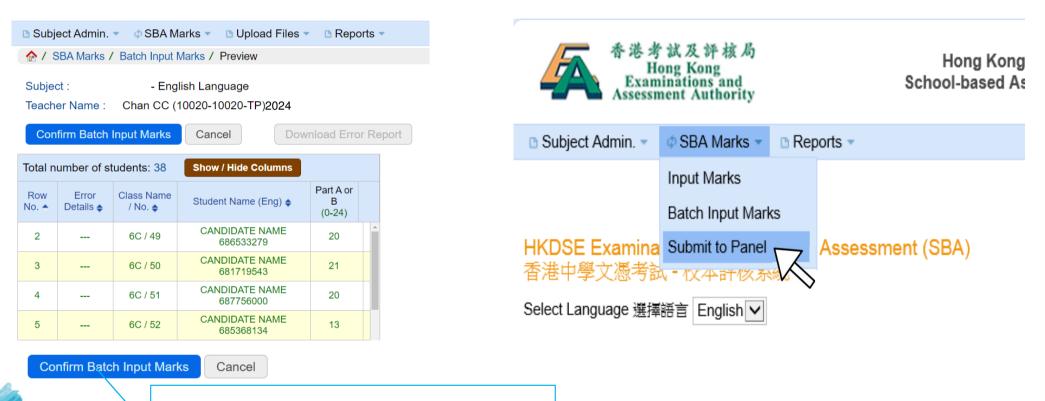
Subject Teacher – batch input



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Subject Teacher – batch input



6. Confirm batch input marks



Submission of SBA Marks for 2024 Exam (Cont'd)

Submission period: 8-29 Jan 2024

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Overview of SBA Submission Process

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Endorse SBA

marks of

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- If necessary, return to teacher for amendments Submit SBA Marks to Principal
- return to panel Upload to handle
- Submit SBA Marks to **HKFAA**
- Upload Student Work of all selected students

Subject

Panel

(Last stage)

Teacher Document if required



Student work to be submitted for moderation

- Sampled by SBAS after mark input (Stratified Random Sampling)
- No. of students chosen ≤6
- Samples to be re-marked by independent assessors with reference to the stipulated assessment criteria → NO student name or school name should appear on the submitted student work; teachers should mask student name and school name before submitting the Project
- Suggested file naming convention:
 [Subject Abbreviation] [(6-digit Student Document Number)].[File extension]
- e.g. TLFOOD(123456).zip TLFOOD (362880).pdf

Important:

- 1. 1 zipped file, ≤40MB for EACH student
- Teachers are recommended to use a single file for EACH selected student
- 3. The System only accepts file formats of zip, pdf, txt, doc, docx, rtf, ppt, pptx, xls, xlsx, csv, mp4, mp3, mpg, wmv, avi, jpg and tif.



Request for a change of student(s) for work submission

- If the work of any chosen student cannot be located, or involves any irregularities (such as mark penalty being imposed due to partial plagiarism or late submission), the Subject Panel should contact the SBA Team at 3628 8068.
- Subject Panel should download the 'Change of Student Work for SBA Work Submission' form from 'Mark Reports' under 'Reports' menu.
- Complete the section for the school and fax the form to 3628 8091.
- After confirming the arrangement, the HKEAA will fax the amended form to the school for school's record.



Moderation of SBA Marks

The Need for Moderation

- Teachers know their students well and thus are best placed to judge their relative performance within a school
- However, they are not necessarily aware of the standards of performance across all schools
- Moderation ensures the consistency of assessment standards across schools in order to achieve acrossschool comparability
- A common practice adopted by other examination authorities

Expert Judgment Moderation

- Review of samples of students' work
- Determination of school performance level on SBA and individual students' moderated scores
- Follow-up on cases with extreme adjustments

Review of Samples of Students' Work

- Sampling (Stratified Random Sampling)
- Review
 District Coordinators/Assessors remark the samples with reference to the stipulated assessment criteria

Follow-up on Cases with Extreme Adjustments

- For each school, the moderated scores will be compared with the raw scores
- If the difference between the two is prominent, may modify the adjustments recommended by expert judgment to properly reflect students' performance

Impact of Expert Judgment Moderation

- Similar to statistical moderation because they share the same underlying principles
- Ranking of students within a school remains unchanged

SBA Requirements for 2025 and 2026 Exams

Task	No. of assessment	Weighting
Prescribed task	1	10%
Project / Design Folio	1	20%
 Proposal 		
 Realisation and evaluation 		

Task	Assessment Areas	Assessment Criteria	Mark	Total Mark
Prescribed	Experimental work	• conducting of experiment and recording of observations	10	20
task	Report writing	 interpretation of data and report writing 	10	
	Proposal	development of the project outline /	10	
Project /		design brief and study item / design		
Design		specification		40
Folio		 development of study items /design ideas 	10	40
1,0110	Realisation and	 realisation of the study item /design idea 	15	
	evaluation	communication and presentation	5	

Assessment Planning for 2025 Exam

- Completed Assessment Planning Form should be emailed to the DC on or before 31 Dec 2023
- Make a practical assessment plan for submitting the marks in January 2025
 - Preferably all assessment completed by end of Oct 2024
 - All marking of prescribed task and project completed by end of Nov 2024

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	1 6	XAMPL	F			
eacher name(s): _		-AAIVII L	_			1/2*
Prescribed Task				•		
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			_	y/Month/Year)	Date (Day	//Month/Yea
	Foam s	tability	2	Feb 2024		
			+			
Project						
Project						
Project Project Title:						
,					Comp	oletion Date
,						oletion Date Month/Year)
,	.,	n Task / Problem				
Project Title:	(ii) Design	n Brief				
Project Title:	(ii) Design (iii) Resea	n Brief arch				
Project Title:	(ii) Design (iii) Resea (iv) Design	n Brief arch n Specification			(Day/f	
Project Title:	(ii) Design (iii) Resea (iv) Design (v) Idea G	n Brief arch n Specification Generation			(Day/f	Month/Year)
Project Title:	(ii) Design (iii) Resea (iv) Design (v) Idea G	n Brief arch n Specification			(Day/t	Month/Year)
Project Title:	(ii) Design (iii) Resea (iv) Design (v) Idea G (vi) Develo	n Brief arch n Specification Generation			(Day/t	Month/Year)
Project Title:	(ii) Design (iii) Resea (iv) Design (v) Idea G (vi) Develo	n Brief arch n Specification Generation oping Own Ideas product making			(Day/t	Month/Year)

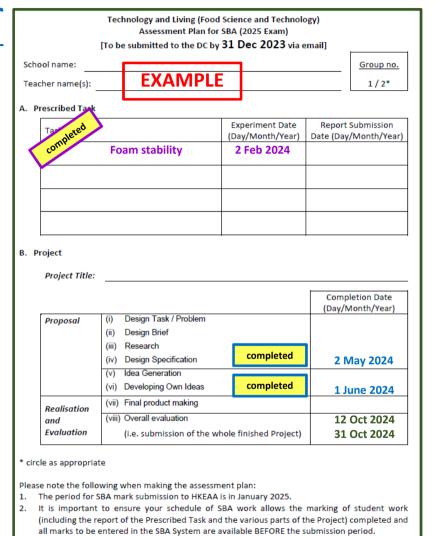
Please note the following when making the assessment plan:

- 1. The period for SBA mark submission to HKEAA is in January 2025.
- It is important to ensure your schedule of SBA work allows the marking of student work (including the report of the Prescribed Task and the various parts of the Project) completed and all marks to be entered in the SBA System are available BEFORE the submission period.



Assessment Planning for 2025 Exam

Progress in assessment
 (Prescribed Task and
 Proposal) to be reported by
 email to DCs in June 2024







Let's work hand in hand to make SBA a worthy learning experience for the students!



