

Technology and Living (Food Science and Technology) SBA Conference

Mark submission for 2025 Exam and SBA Arrangements for 2026 & 2027 Exams

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SBA requirements and Mark Submission for 2025 Exam

2025 Assessment Framework

Component		Weighting	Duration
Public examination	Paper 1 Compulsory part of the curriculum	30%	1½ hours
	Paper 2 Elective part of the curriculum (including knowledge from compulsory part)	40%	2 hours
School-based	Prescribed task	10%	Throughout
Assessment (SBA)	Project / Design folio	20%	S5 and S6

Schedule of Work for School-based Assessment (SBA) in 2024-25 (dated 13 Sep, 2024)

Technology and Living A prescribed task and project / design folio 2 marks on Prescribed Task 5 marks on Project / Design Folio	Marked prescribed task and a project / design folio of six students, chosen by the HKEAA, are to be submitted.	Nil	6 - 24 Jan 2025	
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Revised SBA Handbook for 2025 Exam

https://www.hkeaa.edu.hk/DocLibrary/SBA/HKDSE/SBAhandbook-2025-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.



(e) Al tools

(The following example is related to the subject Chinese Language, only Chinese version is provided.)

所使用的人工智能工具: ChatGPT

使用過程撮要: 我輸入了「小王子中的比喻」。

輸出撮要*: ChatGPT 列出了《小王子》的五個片段·並說明了分別比喻什麼現

象或待人處世的道理。

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.

Al tool used: ChatGPT

A short description of actions: I input the following:

A shift cipher is a simple encryption method. When encrypting a message, every letter in the original message is replaced by a different letter, k positions down the alphabet (modulo by 26),

where k is an integer.

In the following example, k = 8

Original message: WORK HARD, PLAY HARD!

Cipher text: EWZS PIZL, XTIG PIZL!

Write a python program to implement a shift cipher decrypter.

Summary of output*: ChatGPT provided a sample program with remarks for me to

understand the algorithm behind.



^{*}The output from the AI tool should be saved. Your 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/DocLibrary/SBA/HKDSE/SBAhandbook-2025-TL-E_Aug2023.pdf (ENG)
 - https://www.hkeaa.edu.hk/DocLibrary/SBA/HKDSE/SBAhandbook-2025-TL-C_Aug2023.pdf (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)



Revised SBA Handbook for 2025 Exam (Con't)

Chapter 3 Guidance in the Conduct of SBA

3.1 Provision of Information to Students

Students should be informed clearly at the beginning of the courses of the various requirements and regulations regarding the SBA component, including:

- · task requirements and assessment criteria:
- schedule of assessment and critical deadlines;
- the school's regulations and administrative procedures for conducting SBA;
- · the importance of academic honesty and proper conduct in SBA;
- · guidance on how to quote and acknowledge sources properly in their SBA work; and
- · record keeping requirements.

Students should be asked to sign a declaration form regarding proper conduct in SBA at the beginning of each school year in which SBA is undertaken. (*Please refer to Paragraph 3.3 for details.*)

After the completion of the marking, teachers are expected to provide feedback to students, including their marks or grades on individual assessment tasks. Other appropriate feedback may include students' strengths and weaknesses as revealed in the assessments, and advice on how improvements can be made. Before submitting the SBA marks online, students should be informed of the marks awarded and that these marks are also subject to moderation by the HKEAA. Hence, their marks may change after the moderation process. Details of the moderation mechanism are provided in Paragraph 5.2.



Submission of SBA Marks for 2025 Exam

• SBA Mark Template for 2025 Exam

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

Class No. Student Name (Eng) Prescribed task Experimental work Report writing • conducting of experiment and recording of observations Report writing • interpretation of data and report writing Sample Prescribed Tasks				ers are not yet available for the k Templates or use other suitab					BA marks for internal rec	ord-keeping bu	t are not use	ed for submission purpose in	ı S6.
Class Name Class No. Student Name (Eng) Conducting of experiment and recording of observations (0-10) Conducting of experiment and recording of observations (0-10) Conducting of experiment and recording of tudy items (0-10) Conducting of e	or 'E' ca	se, if a s	chool cannot prov	vide special arrangement for a s	tudent wi	th special education	n needs in conducting the S.						
Prescribed task work observations 20 Report writing • interpretation of data and report writing 10 Sample Prescribed Tasks	lass	Class	- I I		Conduct and reco observat	ing of experiment rding of	Interpretation of data and report writing	Development of the project outline and specification for study items	Development of study item	Realisation o	f the study	Realisation of the study item - Evaluation	Communication and presentation
Prescribed task work observations 20 Report writing • interpretation of data and report writing 10 Sample Prescribed Tasks													
Sample Prescribed Tasks		Prescribed work							ding of	10			
·		Report writing				• interpr	etation of data	and report wr	ting	10			
ml?23&12	http		https://www.hkeaa.edu.hk/en/sba/sub_info_sba/dse_subject.ht										

Submission of SBA Marks for 2025 Exam

• SBA Mark Template for 2025 Exam

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

			SBA Mark Template for	2025 HKDSE Examina	ation (Technology and Liv	ving - Food Science and	Technology)		
Notes:									
. As info	rmation like	e candidate numbers are not yet available for the	ne time being, the SBA Mark T	emplates only serve to fac	cilitate schools to input their S	BA marks for internal reco	d-keeping but are not used	for submission purpose in	S6.
2. School	s are free to	adapt these Mark Templates or use other suit	table means to keep their SBA	marks in safe custody for	submission in S6.				
. Other t	han marks,	teachers may also enter E = Exemption; F = I	Fail to submit/perform; or P =	Serious plagiarism.					
For 'E'	case, if a se	chool cannot provide special arrangement for	a student with special educatio	n needs in conducting the	SBA, the matter should be br	ought to the attention of the	HKEAA in writing by the	school principal for HKEAA	's special consideration
he begins	ning of each	school year. Such cases, once approved, ma	y include exemption from part	or whole of the SBA tasks	s. Moreover, for any 'E' enter	ed, such as for students tal	cing extended sick leave, so	hools should gain formal ap	proval from the HKEA
Class Name	Class No.	Student Name (Eng)	Conducting of experiment and recording of observations (0-10)	Interpretation of data and report writing (0-10)	Development of the project outline and specification for study items (0-10)		Realisation of the study item - Realisation (0-10)	Realisation of the study item - Evaluation (0-5)	Communication and presentation (0-5)
		Student Name (Eng)	and recording of observations	report writing	outline and specification for study items		item - Realisation	item - Evaluation	presentation
		Student Name (Eng)	and recording of observations	report writing	outline and specification for study items	(0-10)	item - Realisation (0-10)	item - Evaluation	presentation (0-5)

Project		Suggested lesson time	Mark	
	no. of pages (A4 size)	(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		
(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				
(vii) Final product making (1)	3	1 double lesson	15	
(viii) Overall evaluation	1	1 single lesson		
Communication and presentation	-	()	5	
	Total: ≤ 20 pages	Total: about 14 - 16 single lessons		

	Project / Design	Proposa	1	•	development of the design brief and s specification			10	10
ı	Folio			•	development of st	udy items /design	ideas	10	 10
	FOIIO	Realisat	ion and	٠	realisation of the	study item /design	idea	15	
ŀ		evaluati	on	•	communication as	nd presentation		5	
1									

Project Guidelines

 $\frac{https://www.hkeaa.edu.hk/en/sba/sub_info_sba/dse_subject.}{html?23\&13}$

Submission of SBA Marks for 2025 Exam (Cont'd)

9	Class Name	Class No.	Student Name (Eng)	•	Development of study items	Realisation of the study item - Realisation (0-10)	Communication and presentation (0-5)
10							
11							

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
-	no. of pages (A4 size)	(based on 40 mins / lesson)	e	Mark
- Proposal				
(i) Design Task / Problem	0.5	1 double lesson	10	
(ii) Design Brief	0.5	1 single lesson		ı
(iii) Research	4	1 double lesson		ı
(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		1
communication and presentation	-	-	5	
	Total: ≤ 20 pages	Total: about 14 - 16 single lessons		



SBA Teachers' Handbook: Assessment Rubrics in Chapter 2

Assessment criteria	Typical performance	Marks
Conducting of experiment and recording of observations	Perform experimental work safely and demonstrate a full range of skills Use apparatus and instruments proficiently Complete data collection and present the results systematically and accurately	9-10
(10-point scale)	Perform experimental work safely and demonstrate some skills Use apparatus and instruments properly Complete data collection and present the results appropriately	6-8
	Perform experimental work safely but demonstrate limited skills Demonstrate some difficulty in using apparatus and instruments properly Collect some relevant data but present the results in an inappropriate form	3-5
	Perform experimental work unsafely and demonstrate little / no skills Demonstrate great difficulty in using apparatus and instruments properly Collect a limited amount data and present the results in an inappropriate form	1-2
Interpretation of data and report writing	 Interpret findings and discuss the results thoroughly with application of relevant scientific theories Draw valid and meaningful conclusion(s) based on the findings 	9-10
(10-point scale)	 Interpret findings and discuss the results with application of relevant scientific theories Draw valid conclusion(s) based on the findings 	6-8
	 Interpret findings and discuss the results with application of scientific theories, but some are irrelevant Draw vague conclusion(s) based on the findings 	3-5
	Interpret findings and discuss the results with some use of scientific theories, but many are irrelevant Draw invalid conclusion(s)	1-2



SBA Teachers' Handbook: Assessment Rubrics in Chapter 2

Assessment criteria	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	Typical performance	Marks
Realisation of the study item / design idea (15-point scale)	Present a solution with sound justifications Demonstrate comprehensive knowledge and proficient skills in analysing and solving / evaluating problems / situations Use methods and equipment proficiently in the realisation of the 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	
	Present a solution with appropriate justifications 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	8-11
	Present a solution with limited justifications Demonstrate some knowledge in analysing and solving / 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	4-7
	Present a solution with no justifications 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	1-3
Communication and presentation (5-point scale)	Present the contents in a logical and well-organised manner Make accurate use of scientific and technological terms throughout the project / design folio	4-5
(s-point scare)	Present the contents in a fairly organised manner Make accurate use of scientific and technological terms in most parts of project / design folio	3
	Present the contents in a barely organised manner Make accurate use of scientific and technological terms in some parts of the project / design folio	2
	Present the contents in a poorly organised manner Limited or incorrect use of scientific and technological terms in the project / design folio	1



Submission of SBA Marks for 2025 Exam (Cont'd)

Submission period: 6-24 Jan 2025

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 marks teaching marks (online login accounts for teachers input or batch submitted by groups all teachers of input using the and panels Assign mark template) a subject students to Indicate the

Endorse SBA

responsible

marks of

teaching

teaching SBA subjects being offered groups in this school year

 Assign SBA subjects to panels and teachers

 Assign teachers to teaching groups

group(s) Submit SBA Marks to Panel

If necessary, return to teacher for amendments Submit SBA Marks to Principal

 Endorse SBA marks for all subjects

• If necessary, return to panel • Upload to handle

 Submit SBA Marks to HKFAA

Subject Panel (Last stage)

 Upload Student Work of all selected students

Teacher Document if required



Submission of SBA Marks for 2025 Exam (Cont'd)

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

Subject Panel assigns Teaching Groups



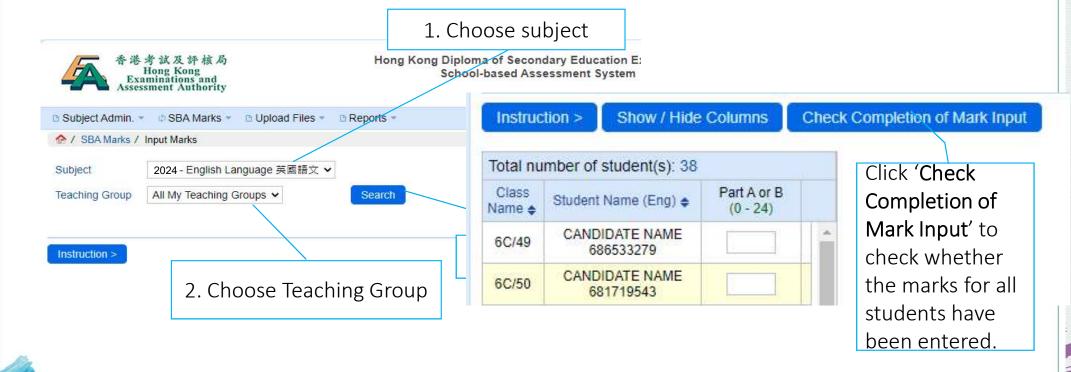
- Using the online interface or
- Using the batch mode (via EXCEL file)

Submit marks to Panel

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

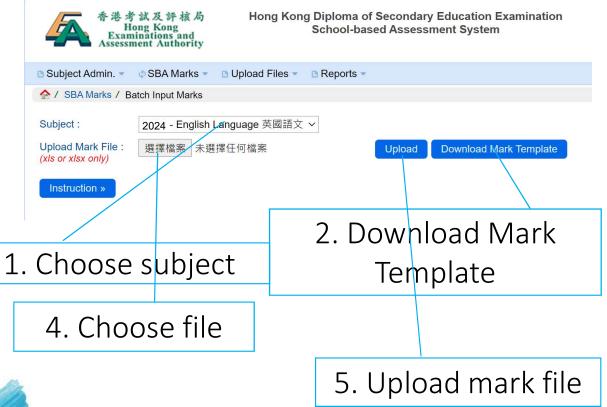


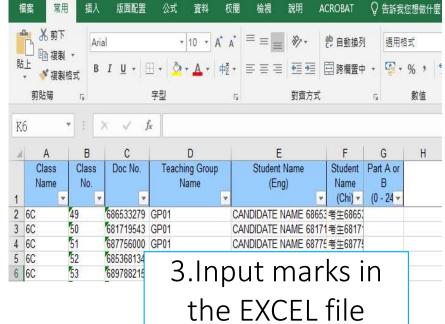
Subject Teacher – input marks





Subject Teacher – batch input







Subject Teacher – batch input



6. Confirm batch input marks



Submission of SBA Marks for 2025 Exam (Cont'd)

Submission period: 6-24 Jan 2025

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 marks teaching marks (online login accounts for teachers input or batch submitted by groups all teachers of input using the and panels Assign mark template) a subject students to Indicate the

Endorse SBA

responsible

marks of

teaching

teaching SBA subjects being offered groups in this school year

 Assign SBA subjects to panels and teachers

 Assign teachers to teaching groups

group(s) Submit SBA Marks to Panel

If necessary, return to teacher for amendments Submit SBA Marks to Principal

 Endorse SBA marks for all subjects

• If necessary, return to panel • Upload to handle

 Submit SBA Marks to HKFAA

Subject Panel (Last stage)

 Upload Student Work of all selected students

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 2026 and 2027 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	ent and recording of 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 Folio		specification		40
		 development of study items /design ideas 	10	40
	Realisation and	 realisation of the study item /design idea 	15	
	evaluation	communication and presentation	5	

Assessment Planning for 2026 Exam

- Completed Assessment Planning Form should be emailed to the DC on or before 31 Dec 2024
- Make a practical assessment plan for submitting the marks in January 2026
 - Preferably all assessment completed by end of Oct 2025
 - All marking of prescribed task and project completed by end of Nov 2025

Technology and Living (Food Science and Technology)
Assessment Plan for SBA (2026 Exam)

[To be submitted to the DC by 31 Dec 2024 via email]

School name:

Teacher name(s):

EXAMPLE

Group no.

1/2*

A. Prescribed Task

Task Title	Experiment Date (Day/Month/Year)	Report Submission Date (Day/Month/Year)
Foam stability	2 Feb 2024	

B. Project

Project Title:

		Completion Date (Day/Month/Year)
Proposal	(i) Design Task / Problem (ii) Design Brief	
	(iii) Research (iv) Design Specification	2 May 2024
	(v) Idea Generation (vi) Developing Own Ideas	1 June 2024
Realisation and Evaluation	(vii) Final product making	12 Oct 2024
	(viii) Overall evaluation (i.e. submission of the whole finished Project)	31 Oct 2024

circle as appropriate

Please note the following when making the assessment plan:

- 1. The period for SBA mark submission to HKEAA is in January 2026.
- 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 2026 Exam

 Progress in assessment (Prescribed Task and Proposal) to be reported by email to DCs in June 2025 Technology and Living (Food Science and Technology)
Assessment Plan for SBA (2026 Exam)

		[To be submitted to the DC by	31	Dec 2024 via e	emailj	
	ol name: her name(s):	EXAMPLE				Group no.
A. Pr	escribed Task		_			
	completed			experiment Date Day/Month/Year)		Submission /Month/Year)
	comp	Foam stability	2	Feb 2024		
B. Pr	oject					
	Project Title:					
						letion Date Month/Year)
	Proposal	(i) Design Task / Problem (ii) Design Brief				

Realisation

Evaluation

Please note the following when making the assessment plan:

Research

(iv) Design Specification (v) Idea Generation

(vi) Developing Own Ideas (vii) Final product making

(viii) Overall evaluation

- The period for SBA mark submission to HKEAA is in January 2026.
- 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.

(i.e. submission of the whole finished Project)

completed

completed

2 May 2024

1 June 2024

12 Oct 2024

31 Oct 2024



circle as appropriate



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



