



Science Centre Singapore's Young Scientist Badge Scheme (YSBS)

Portal access instructions for teachers

22 April 2024

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SECTION 1

OVERVIEW OF THE YOUNG SCIENTIST BADGE SCHEME (YSBS)* PORTAL

*YSBS Badges are presented as '**Courses**' on the site, with accompanying '**Tasks**'. There are total of 25 **Courses**.

A **Course** is deemed as complete when a student acquires 15 stars.

1.1 Portal Overview for Teachers

The YSBS portal facilitates the following actions:

1. Accessing courses

- Logging in
- Accessing courses
- Navigating within a course

2. Reviewing students' submissions (optional)

- Reviewing online responses
- Reviewing offline/in-school completion

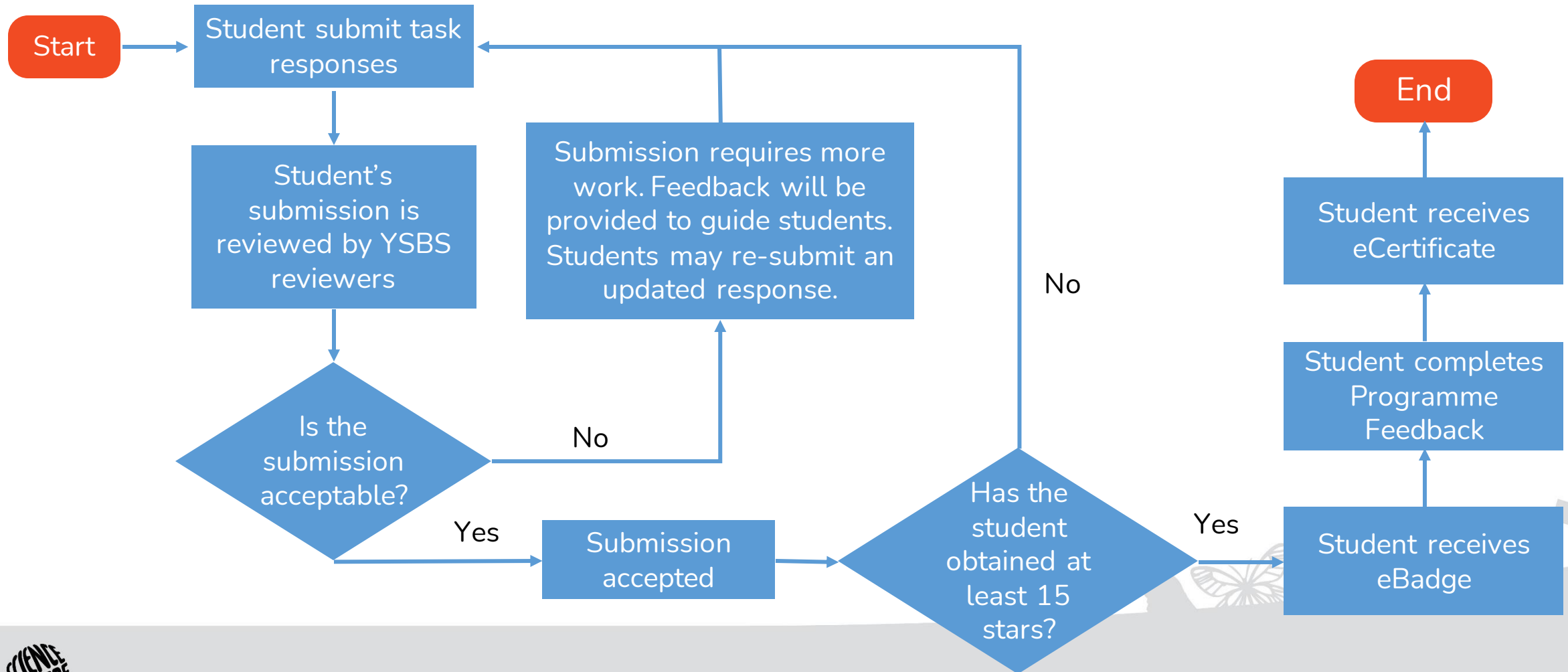
3. Monitoring students' progress

- Viewing students' progress for each course
- Viewing students' eCertificate



1. Overview of the Young Scientist Badge Scheme (YSBS) Portal

1.2 User Flow





SECTION 2

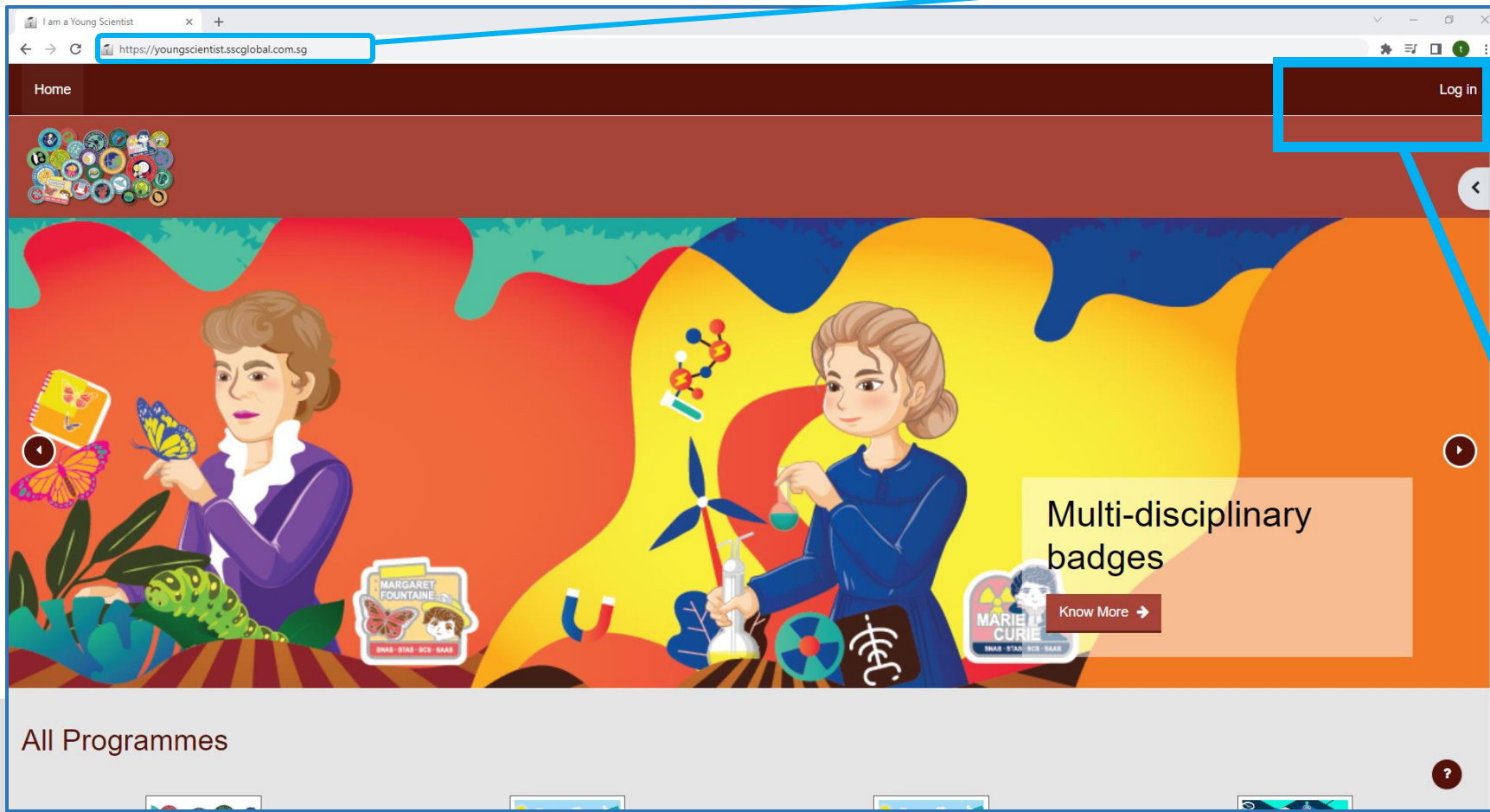
ACCESSING COURSES

2. Accessing Courses

2.1 YSBS Portal Login Page

1. Enter YSBS portal's login page link: <https://youngscientist.sscglobal.com.sg>
2. Click 'Log in' at the top right of the page.

① Enter YSBS portal's login page link

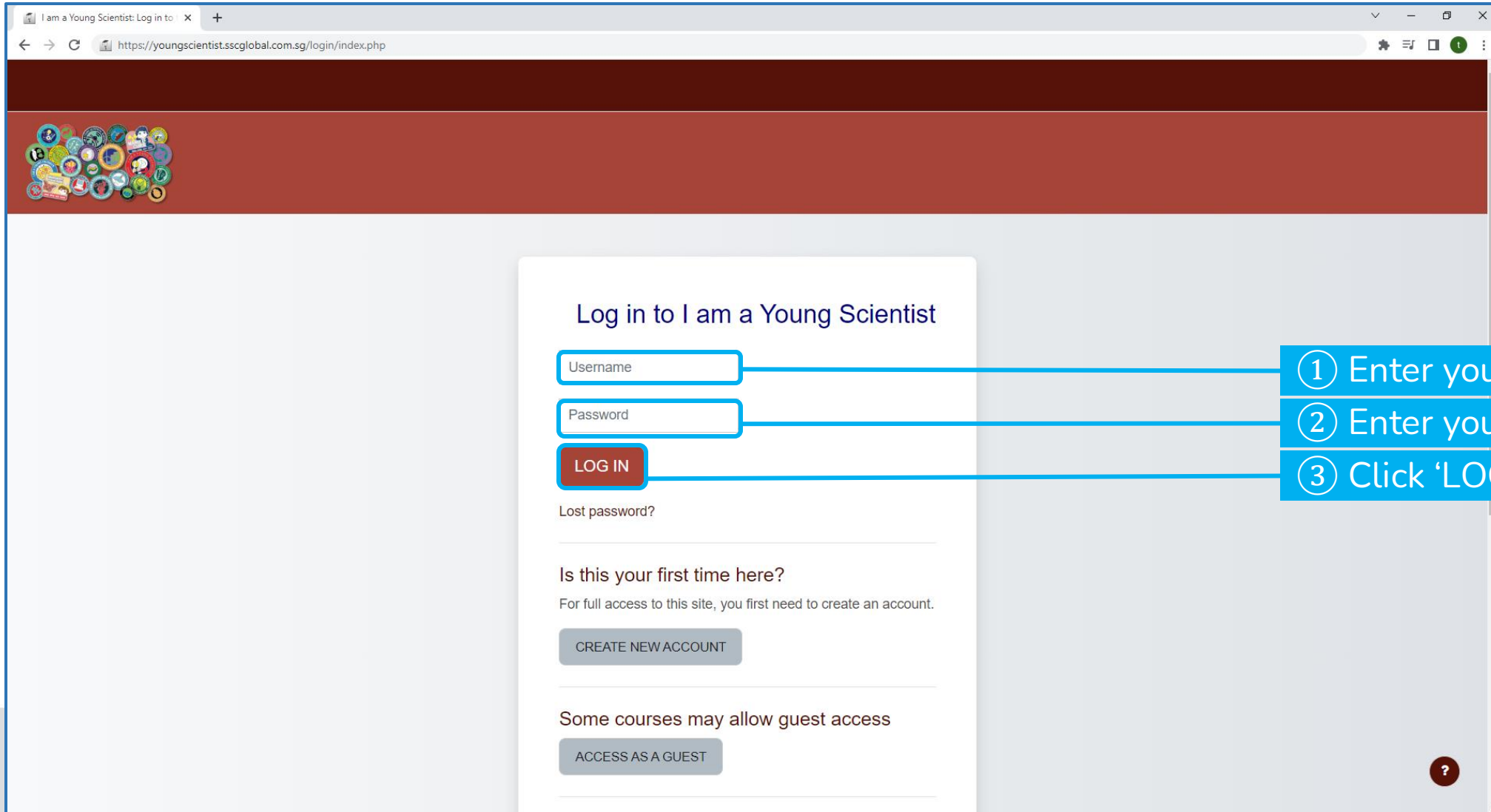


② Click 'Log in'

Log in

2. Accessing Courses

2.2 Logging into YSBS Portal



The screenshot shows a web browser window with the URL <https://youngscientist.sscglobal.com.sg/login/index.php>. The page features a dark red header with a circular collage of science-related icons on the left. The main content area is white and contains a login form titled "Log in to I am a Young Scientist". The form includes three input fields: "Username", "Password", and a "LOG IN" button. Below the "LOG IN" button is a link for "Lost password?". Further down, there is a section for new users titled "Is this your first time here?" with a "CREATE NEW ACCOUNT" button. At the bottom, there is a section for guest access titled "Some courses may allow guest access" with an "ACCESS AS A GUEST" button. A small red circle with a white question mark is located in the bottom right corner of the page.

① Enter your username

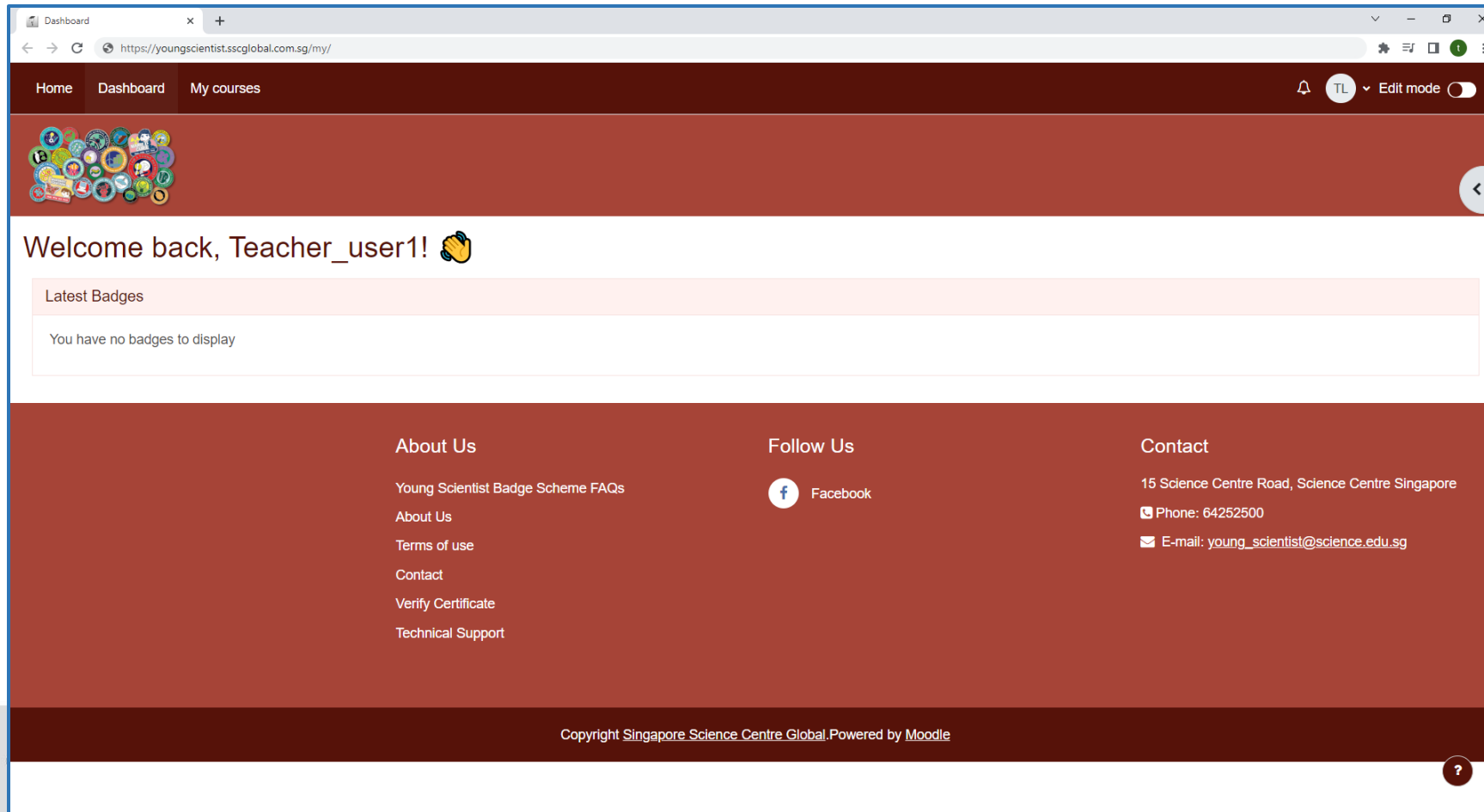
② Enter your password

③ Click 'LOG IN'

2. Accessing Courses

2.3 Successful Login

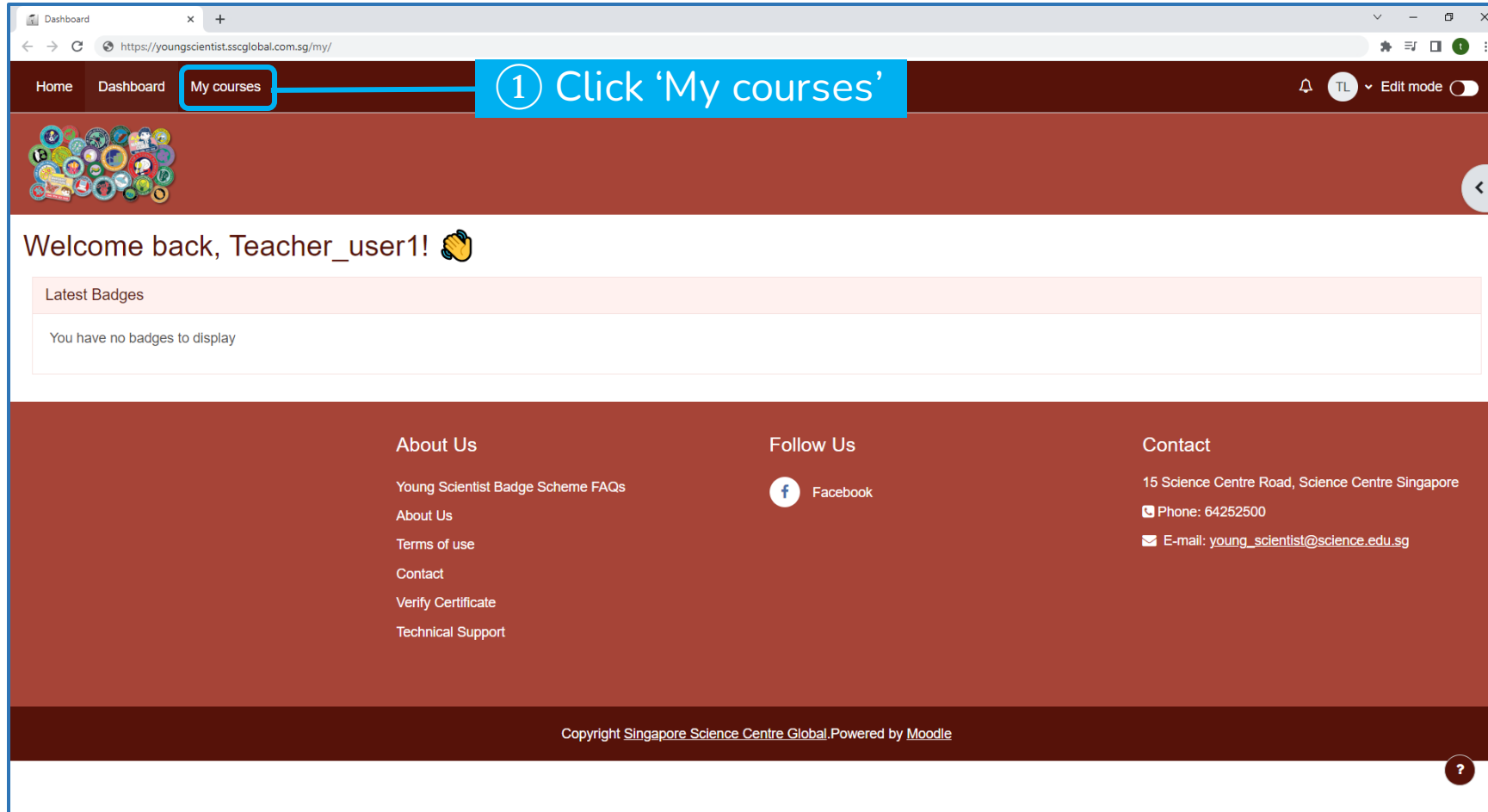
Upon a successful login, the user dashboard page will be displayed.



The screenshot displays a web browser window with the URL <https://youngscientist.sscglobal.com.sg/my/>. The page features a dark red header with navigation links for 'Home', 'Dashboard', and 'My courses'. A user profile icon 'TL' and an 'Edit mode' toggle are visible in the top right. Below the header is a carousel of various colorful badges. The main content area greets the user with 'Welcome back, Teacher_user1!' and a clapping hands emoji. A 'Latest Badges' section indicates 'You have no badges to display'. The footer is divided into three columns: 'About Us' with links to 'Young Scientist Badge Scheme FAQs', 'About Us', 'Terms of use', 'Contact', 'Verify Certificate', and 'Technical Support'; 'Follow Us' with a Facebook icon and the text 'Facebook'; and 'Contact' with the address '15 Science Centre Road, Science Centre Singapore', phone number '64252500', and email 'young_scientist@science.edu.sg'. A copyright notice at the bottom reads 'Copyright Singapore Science Centre Global. Powered by Moodle'. A small question mark icon is located in the bottom right corner of the page.

2. Accessing Courses

2.4 Accessing Courses



The screenshot shows a web browser window with the URL <https://youngscientist.sscglobal.com.sg/my/>. The navigation menu at the top includes 'Home', 'Dashboard', and 'My courses'. The 'My courses' link is highlighted with a blue box, and a blue callout box with the number '1' and the text 'Click 'My courses'' points to it. Below the navigation menu, there is a banner with a collection of colorful badges. The main content area displays a welcome message: 'Welcome back, Teacher_user1! 🙌'. Below this, there is a section titled 'Latest Badges' which contains the text 'You have no badges to display'. The footer of the page is divided into three columns: 'About Us' with links to 'Young Scientist Badge Scheme FAQs', 'About Us', 'Terms of use', 'Contact', 'Verify Certificate', and 'Technical Support'; 'Follow Us' with a Facebook icon and the text 'Facebook'; and 'Contact' with the address '15 Science Centre Road, Science Centre Singapore', phone number '64252500', and email 'young_scientist@science.edu.sg'. The footer also contains the text 'Copyright Singapore Science Centre Global. Powered by Moodle' and a small question mark icon in the bottom right corner.



2. Accessing Courses

2.5 Accessing a Course

All the courses will be displayed on the page.

The screenshot shows a web browser window with the URL <https://youngscientist.sscglobal.com.sg/my/courses.php>. The page has a dark red header with navigation links: Home, Dashboard, and My courses. Below the header is a grid of course cards. A blue callout box with a circled '1' points to the 'I am a Food Scientist' card, with the text 'Click the course you want to view'. The course cards are arranged in a grid and include the following titles: 'I am a Food Scientist', 'I am a Young Astronomer', 'I am a Young Botanist', 'I am a Young Chemist', 'I am a Young Digital Fabricator', 'I am a Young Ecologist', 'I am a Young Energy Saver', 'I am a Young Engineer', and 'I am a Young Entomologist'. Each card features a colorful illustration related to the course topic. The 'I am a Young Entomologist' card has a small red question mark icon in the bottom right corner.

2. Accessing Courses

2.6 Viewing Course Content

① Students will need to provide feedback after they have completed the course.

② To view students' eCertificate (Slide 4.4)

③ To review offline completion (Section 3B)

④ Students' response to the task

⑤ Reference material to aid students in completing tasks

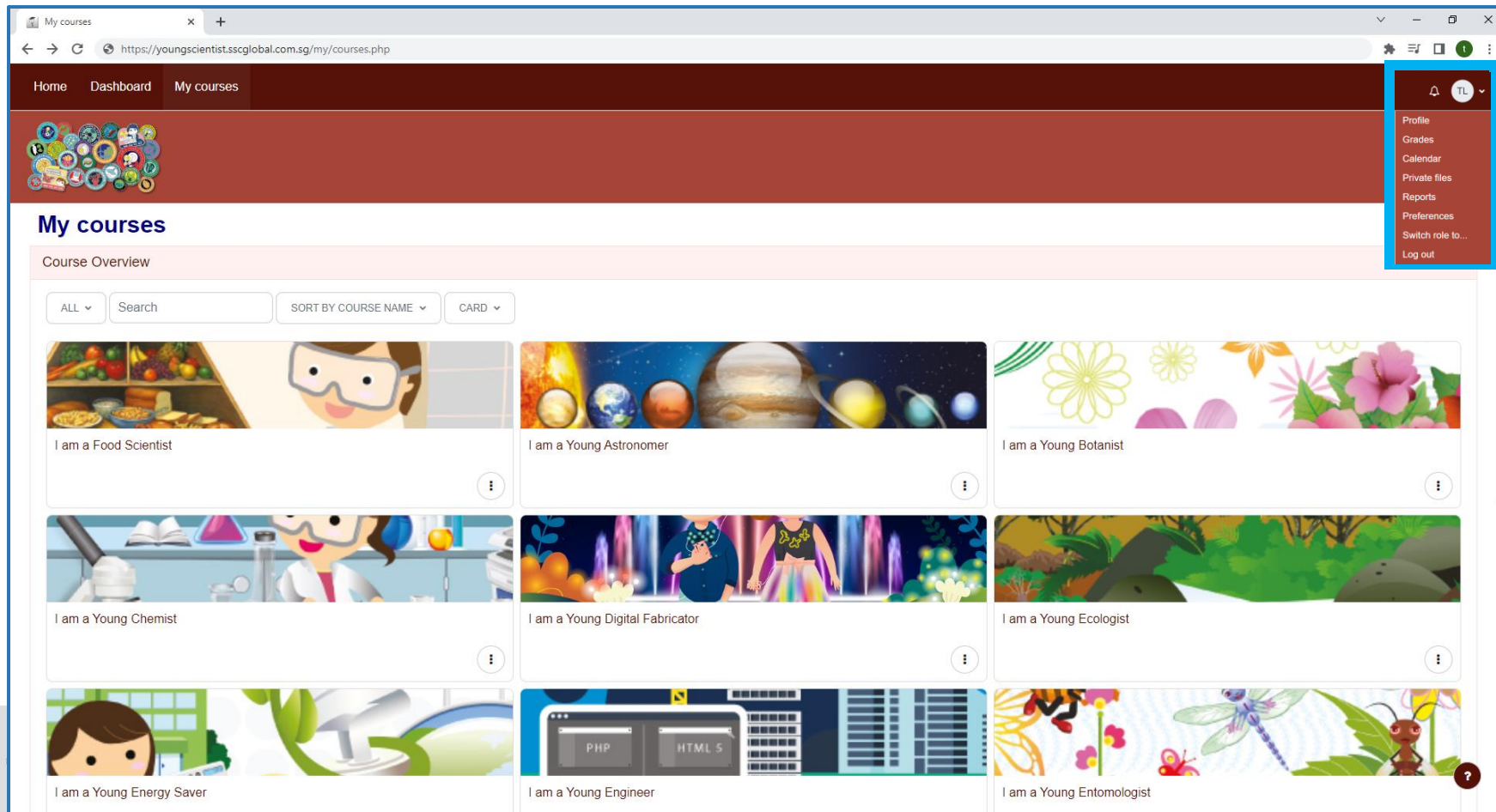
A screenshot of the course sidebar menu. The menu is organized into sections: General, Task 1 [1 point], Task 2 [1 point], Task 3 [1 point], Task 4 [1 point], and Task 5 [1 point]. Callout boxes point to specific items: 'Programme Feedback' and 'Certificate of Completion' under General; 'Project 4' and 'Additional Resources' under Task 4; and 'Project 5' and 'Additional Resources' under Task 5.

A screenshot of the course content page titled 'I am a Food Scientist'. The page features a navigation bar with 'Home', 'Dashboard', and 'My courses'. Below the navigation bar is a sidebar menu with callouts pointing to 'Programme Feedback', 'Certificate of Completion', and 'Teachers To certify com...'. The main content area has a title 'I am a Food Scientist' and a navigation bar with 'Course', 'Participants', 'Grades', 'Reports', 'Question bank', and 'More'. Below this is a 'General' section with a 'Collapse all' button. The main content area displays an illustration of a food pyramid, a scientist in a lab coat, and various food items. A callout box points to the 'Programme Feedback' link in the sidebar.

2. Accessing Courses

2.7 Logging out of YSBS Portal

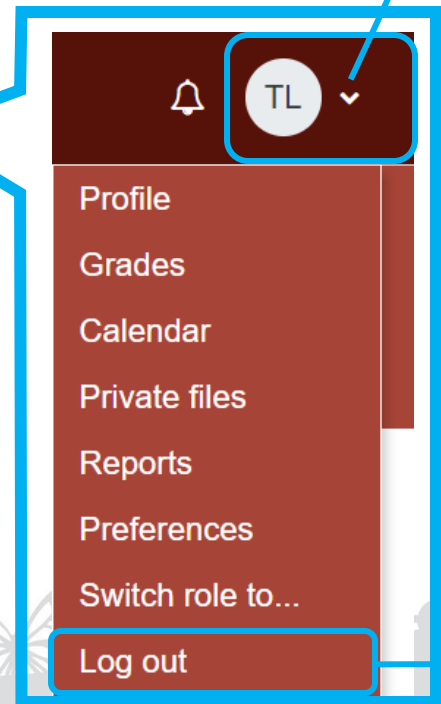
You are recommended to log out of the portal when not using it to ensure security of your account and a smooth experience for all users.



The screenshot shows a web browser window displaying the 'My courses' page. The page has a dark red header with navigation links: 'Home', 'Dashboard', and 'My courses'. Below the header is a grid of course cards. A dropdown menu is open from the user profile icon (labeled 'TL') in the top right corner. The dropdown menu contains the following items: Profile, Grades, Calendar, Private files, Reports, Preferences, Switch role to..., and Log out.

Course Title	Thumbnail Description
I am a Food Scientist	Cartoon scientist in a kitchen
I am a Young Astronomer	Space scene with planets and Jupiter
I am a Young Botanist	Flowers and plants
I am a Young Chemist	Cartoon scientist in a lab
I am a Young Digital Fabricator	3D printing and digital design
I am a Young Ecologist	Forest scene with a tree and rocks
I am a Young Energy Saver	Cartoon child and energy-saving icons
I am a Young Engineer	Computer code (PHP, HTML 5) and buildings
I am a Young Entomologist	Insects like a dragonfly and ants

① Click the dropdown



A close-up of the user profile dropdown menu. The menu is dark red and contains the following items: Profile, Grades, Calendar, Private files, Reports, Preferences, Switch role to..., and Log out. The 'Log out' item is highlighted with a blue box.

② Click 'Log out'



SECTION 3 A

REVIEWING STUDENTS' ONLINE SUBMISSIONS (OPTIONAL)

*Science Centre will review students' submissions. Where needed, teachers may also review their students' submission and indicate completion.

3. Reviewing Students' Online Submissions (Optional)

3.1 Science Centre Singapore's Principles for Reviewing Students' Submissions

1. **All-or-none principle for awarding stars** – Either full stars or no stars.
2. **Focus on the quality of learning** – Reward curiosity, participation and good effort. Expectations on students' level of understanding of scientific concepts should be moderated according to students' age.
3. **Provide feedback on learning** – Feedback should be given to help students learn and improve the quality of submission.



3. Reviewing Students' Online Submissions (Optional)

3.2 Reviewing Online Submissions

Teachers are not required to look through submissions individually. However, to review, open the right panel by clicking the left arrow sign.

Dashboard

Home Dashboard My courses

Welcome back, Teacher_user1! 🙌

Latest Badges

You have no badges to display

About Us

Young Scientist Badge Scheme FAQs

About Us

Terms of use

Contact

Verify Certificate

Technical Support

Follow Us

Facebook

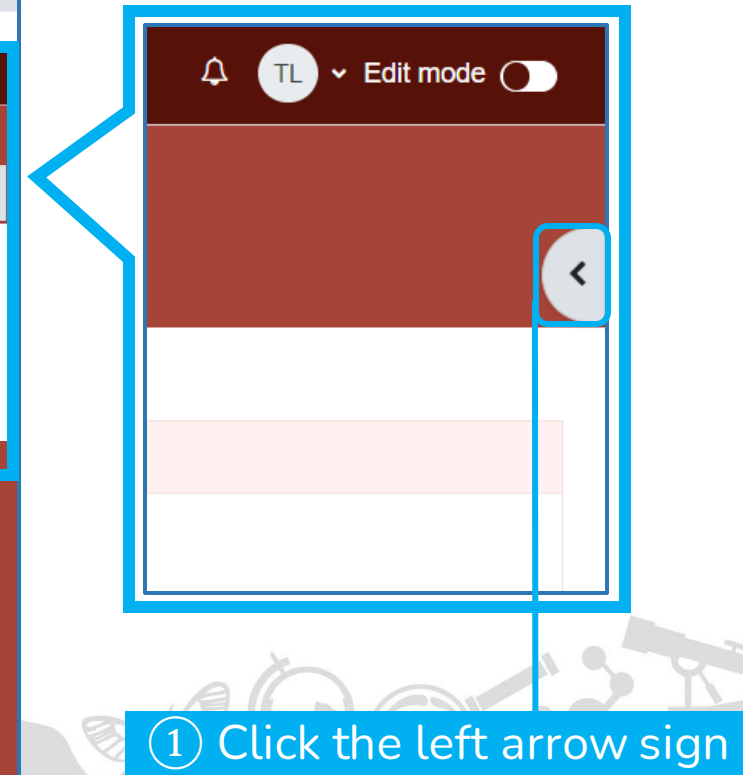
Contact

15 Science Centre Road, Science Centre Singapore

Phone: 64252500

E-mail: young_scientist@science.edu.sg

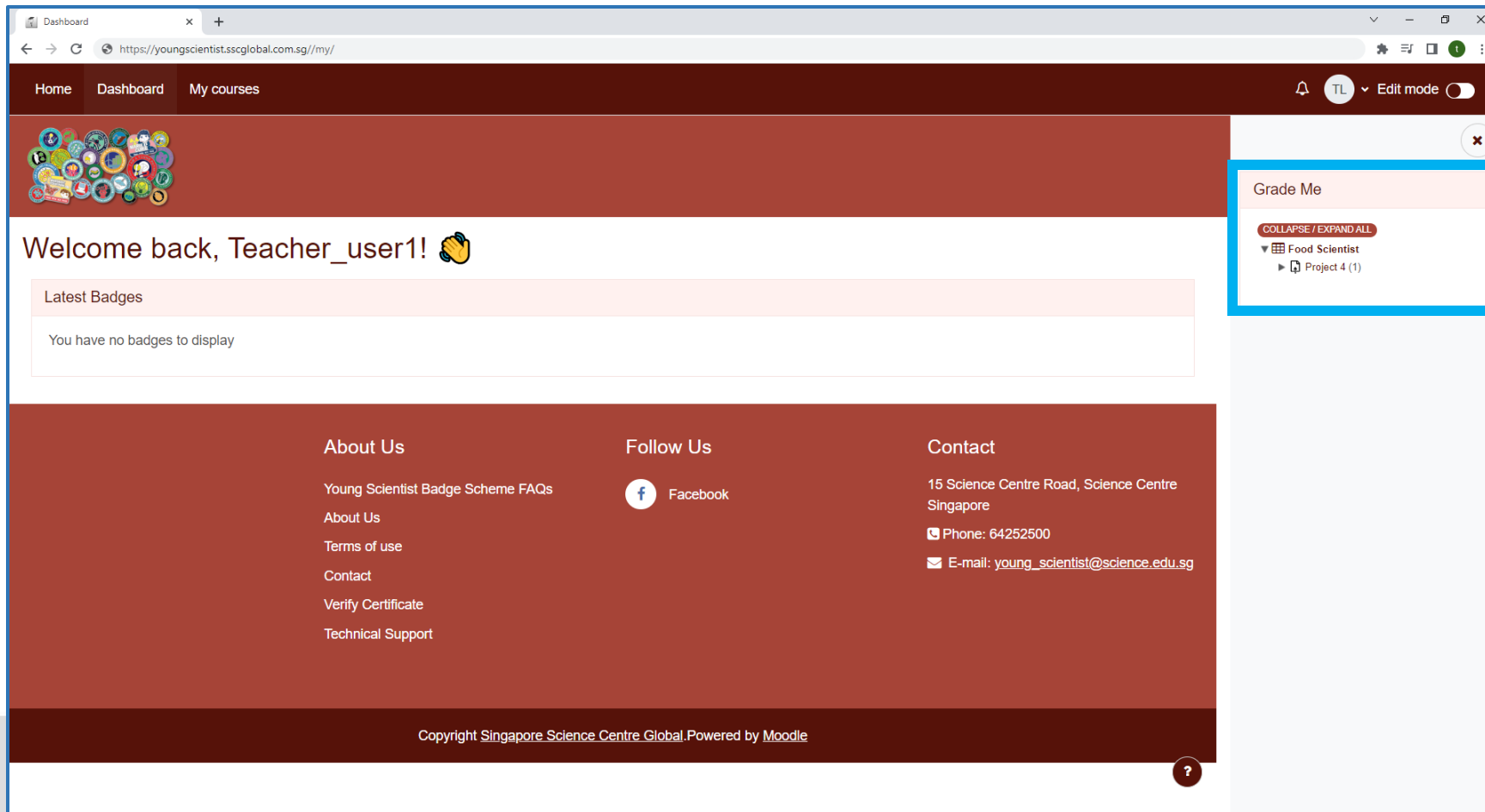
Copyright Singapore Science Centre Global. Powered by Moodle



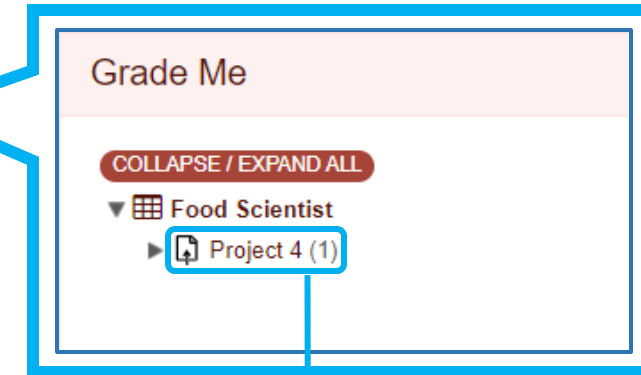
3. Reviewing Students' Online Submissions (Optional)

3.3 Selecting Responses under 'Grade Me'

'Grade Me' shows all submissions which need to be reviewed.



The screenshot shows a Moodle dashboard for a user named 'Teacher_user1'. The top navigation bar includes 'Home', 'Dashboard', and 'My courses'. A 'Grade Me' section is highlighted with a blue box, showing a 'COLLAPSE / EXPAND ALL' button and a list of assignments: 'Food Scientist' (expanded) and 'Project 4 (1)'. The dashboard also features a 'Welcome back, Teacher_user1!' message, a 'Latest Badges' section, and a footer with 'About Us', 'Follow Us', and 'Contact' information.



This is a zoomed-in view of the 'Grade Me' section. It shows the 'COLLAPSE / EXPAND ALL' button and the expanded list of assignments: 'Food Scientist' and 'Project 4 (1)'. The 'Project 4 (1)' item is highlighted with a blue box, indicating it is the target of the next step.

① Click the assignment

3. Reviewing Students' Online Submissions (Optional)

3.4 Accessing All Student Submissions

The screenshot shows a Moodle assignment page for 'Project 4'. The page includes a navigation menu on the left with tasks 1 through 7. The main content area shows the assignment title 'Project 4', a 'Make a submission' button, and the question: 'Explain why calcium compounds are good for the body.' Below the question is a 'Grading summary' section with a table of submission statistics. A blue callout box with the number 1 and the text 'Click 'VIEW ALL SUBMISSIONS'' points to the 'VIEW ALL SUBMISSIONS' button.

Grading summary
Separate groups: MyClass

Hidden from students	No
Participants	2
Drafts	0
Submitted	1
Needs grading	1

① Click 'VIEW ALL SUBMISSIONS'



3. Reviewing Students' Online Submissions (Optional)

3.5 Sorting Submissions by Submission Date

This step only has to be done once for each assignment. It remains sorted for future visits.

The screenshot shows a Moodle submission page for 'Project 4'. The page includes a navigation menu on the left, a breadcrumb trail 'Food Scientist > Project 4 > Grading', and a 'Submissions' section. The 'Submissions' section has a 'Grading action' dropdown set to 'Choose...', 'Separate groups: MyClass', and two alphabetical filters for 'First name' and 'Last name'. Below these is a table of submissions. The table has the following columns: Select, User picture, User name, Status, Grade, Edit, Last modified (submission), Online text, File submissions, Submission comments, Last modified (grade), Feedback comments, and Final grade. The first row shows a submission for 'STUDENT 1' with a 'No submission' status and a 'GRADE' button. A blue callout box with the text '1 Click 'Last modified' twice' points to the 'Last modified (submission)' column header.

Select	User picture	User name	Status	Grade	Edit	Last modified (submission)	Online text	File submissions	Submission comments	Last modified (grade)	Feedback comments	Final grade
<input type="checkbox"/>		STUDENT 1	No submission	GRADE	Edit				Comments (0)			



3. Reviewing Students' Online Submissions (Optional)

3.6 Viewing Students' Online Submission

The screenshot shows a Moodle submission page for 'Food Scientist: Project 4 - Grading'. The page includes a navigation menu on the left, a 'Submissions' section with a 'Grading action' dropdown, and a table of student submissions. Two blue callout boxes provide instructions: '1 Look for 'Submitted for grading' under 'Status'' and '2 Click 'Grade''. The table has columns for 'Select', 'User picture', 'First name / Last name', 'Status', 'Grade', 'Edit', 'Last modified (submission)', 'Online text', 'File submissions', 'Submission comments', 'Last modified (grade)', 'Feedback comments', and 'Final grade'. A submission by 'STUDENT 2' is highlighted with a 'Submitted for grading' status and a 'GRADE' button.

Select	User picture	First name / Last name	Status	Grade	Edit	Last modified (submission)	Online text	File submissions	Submission comments	Last modified (grade)	Feedback comments	Final grade
<input type="checkbox"/>		STUDENT 2	Submitted for grading	GRADE	Edit	Thursday, 8 June 2023, 3:25 PM	Calcium is a mineral most commonly associated with healthy bones and teeth, although it also plays an important role in blood	1275948.png	0	8 June 2023, 3:25 PM	0	

Types of Status

No submission

No attempt from student

Draft (not submitted)

Attempted but have yet to submit

Submitted for grading

Assignment is submitted for grading

Submitted for grading
Graded

Assignment is graded

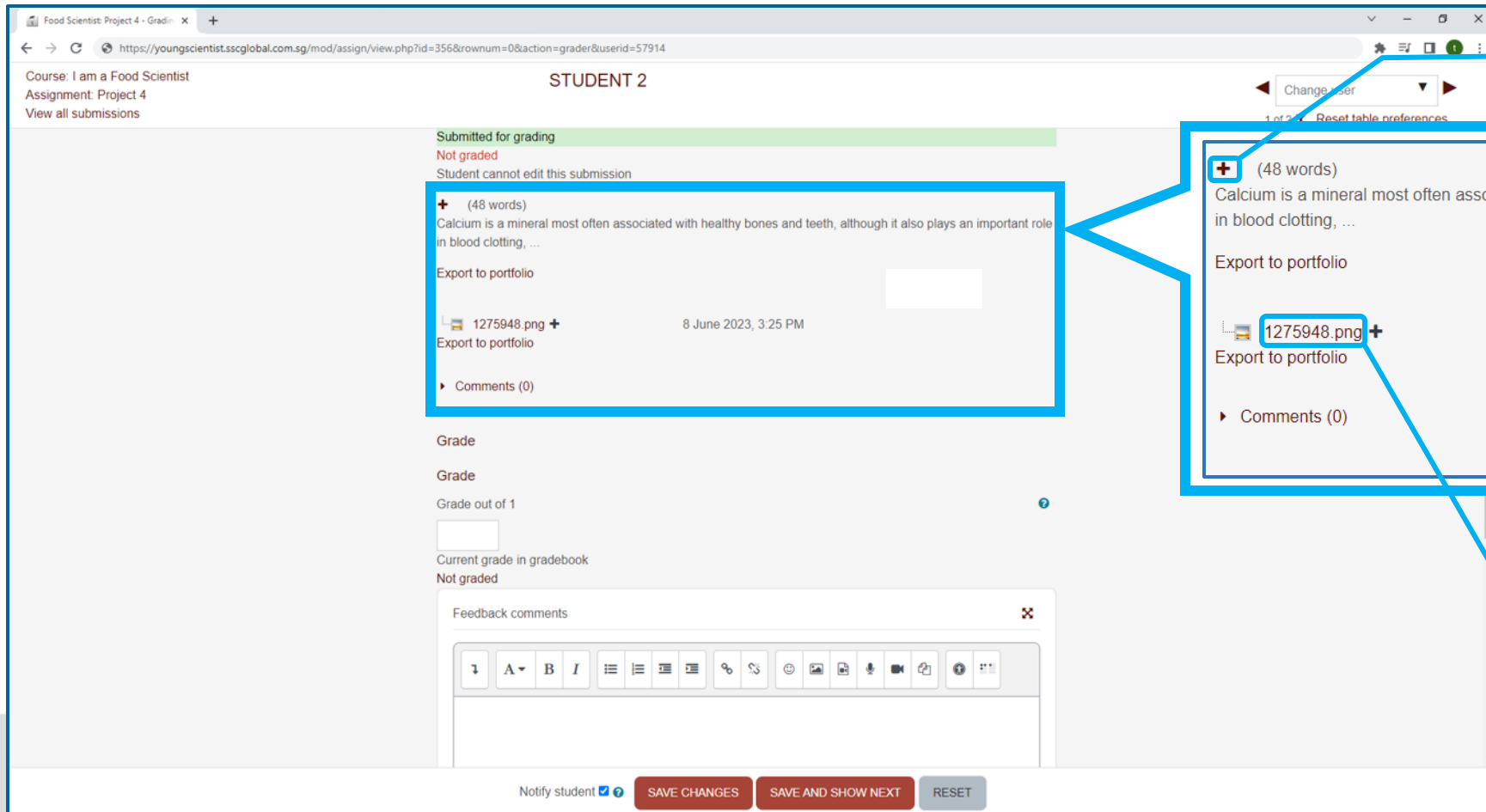
Reopened

Student to submit again if they get 0

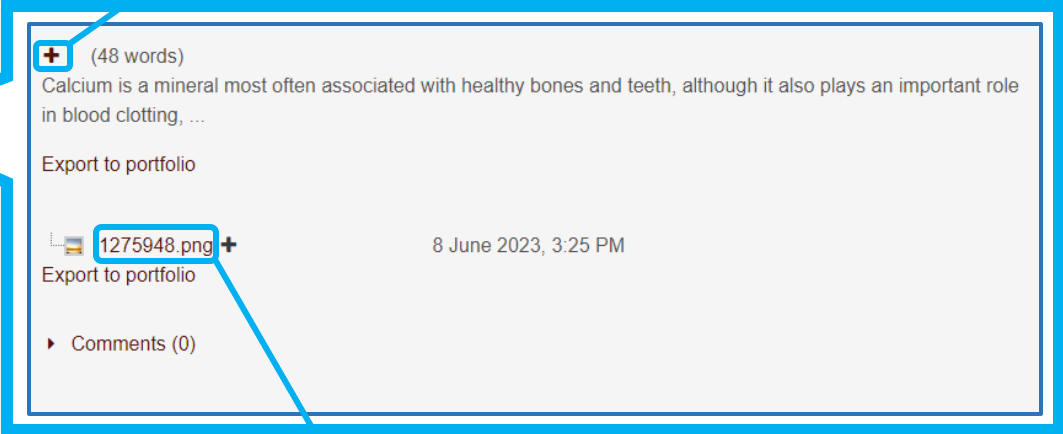
3. Reviewing Students' Online Submissions (Optional)

3.7 Reviewing Students' Online Submission

The student's submission is displayed at the top, which may be in the form of text, images or videos.



① Click '+' to expand text submission



② Click the attachment to view image or video submissions

3. Reviewing Students' Online Submissions (Optional)

3.7 Reviewing Students' Online Submission (cont'd)

The bottom section is where the number of stars awarded and feedback can be provided.

The screenshot shows a web browser window displaying a student submission for 'Project 4' in the course 'I am a Food Scientist'. The submission is titled 'STUDENT 2' and is currently 'Not graded'. The submission text is: 'Calcium is a mineral most often associated with healthy bones and teeth, although it also plays an important role in blood clotting, ...'. There is a callout box highlighting the grading and feedback section at the bottom of the submission page. This callout box contains three numbered instructions:

- ① Key in number of stars
- ② Provide feedback on the student's submission
- ③ Click 'SAVE CHANGES'

The grading and feedback section includes a 'Grade' field with a dropdown menu, a 'Grade out of 1' field, and a 'Current grade in gradebook' field. Below these fields is a 'Feedback comments' section with a rich text editor toolbar and a text input area. At the bottom of the section are buttons for 'Notify student', 'SAVE CHANGES', 'SAVE AND SHOW NEXT', and 'RESET'.

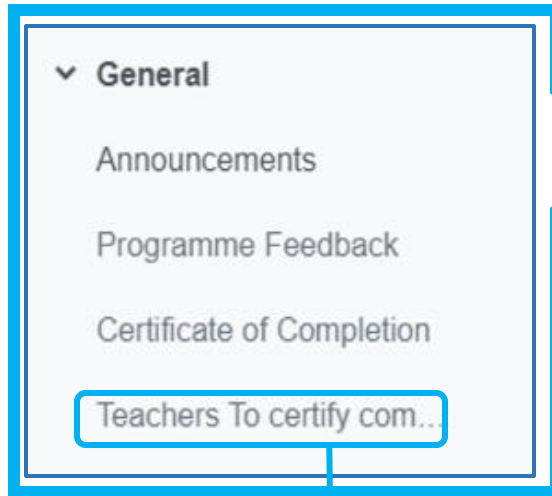


SECTION 3 B
REVIEWING STUDENTS' OFFLINE SUBMISSIONS
(OPTIONAL)

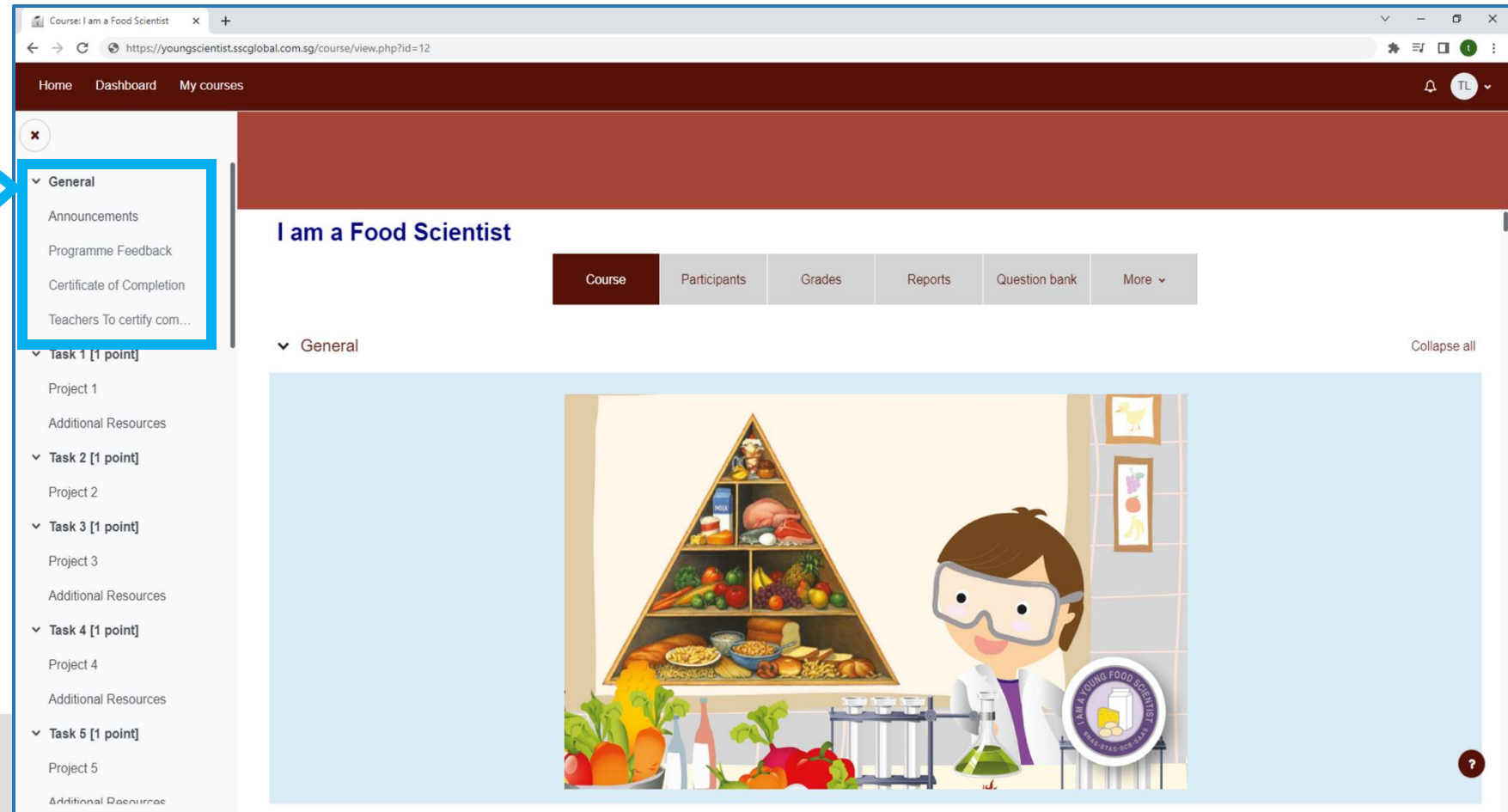
3. Reviewing Students' Offline Submissions (Optional)

3.8 Reviewing Offline Submissions

The 'Teachers To certify completion' assignment is not accessible to students.



① Click 'Teachers To certify com...'



3. Reviewing Students' Offline Submissions (Optional)

3.9 Viewing all Offline Submissions

The screenshot shows a Moodle assignment page for 'Teachers To certify completion'. The page includes a navigation menu on the left with options like 'General', 'Task 1', 'Task 2', 'Task 3', 'Task 4', and 'Task 5'. The main content area shows the assignment title, a 'Receive a grade' button, and a 'Grading summary' table. A blue callout box with the number '1' points to the 'VIEW ALL SUBMISSIONS' button.

Food Scientist > Teachers To certify completion

Teachers To certify completion

Assignment More ▾

Receive a grade

Opened: Wednesday, 9 December 2020, 12:00 AM

This feature is for school teachers to certify that a student has completed the programme offline in the schools

VIEW ALL SUBMISSIONS GRADE

Grading summary

Separate groups: MyClass

Hidden from students	No
Participants	2
Submitted	0
Needs grading	0

① Click 'VIEW ALL SUBMISSIONS'



3. Reviewing Students' Offline Submissions (Optional)

3.10 Enabling Bulk Review

At the bottom, 'Quick grading' is unchecked by default. Ensure that it is checked.

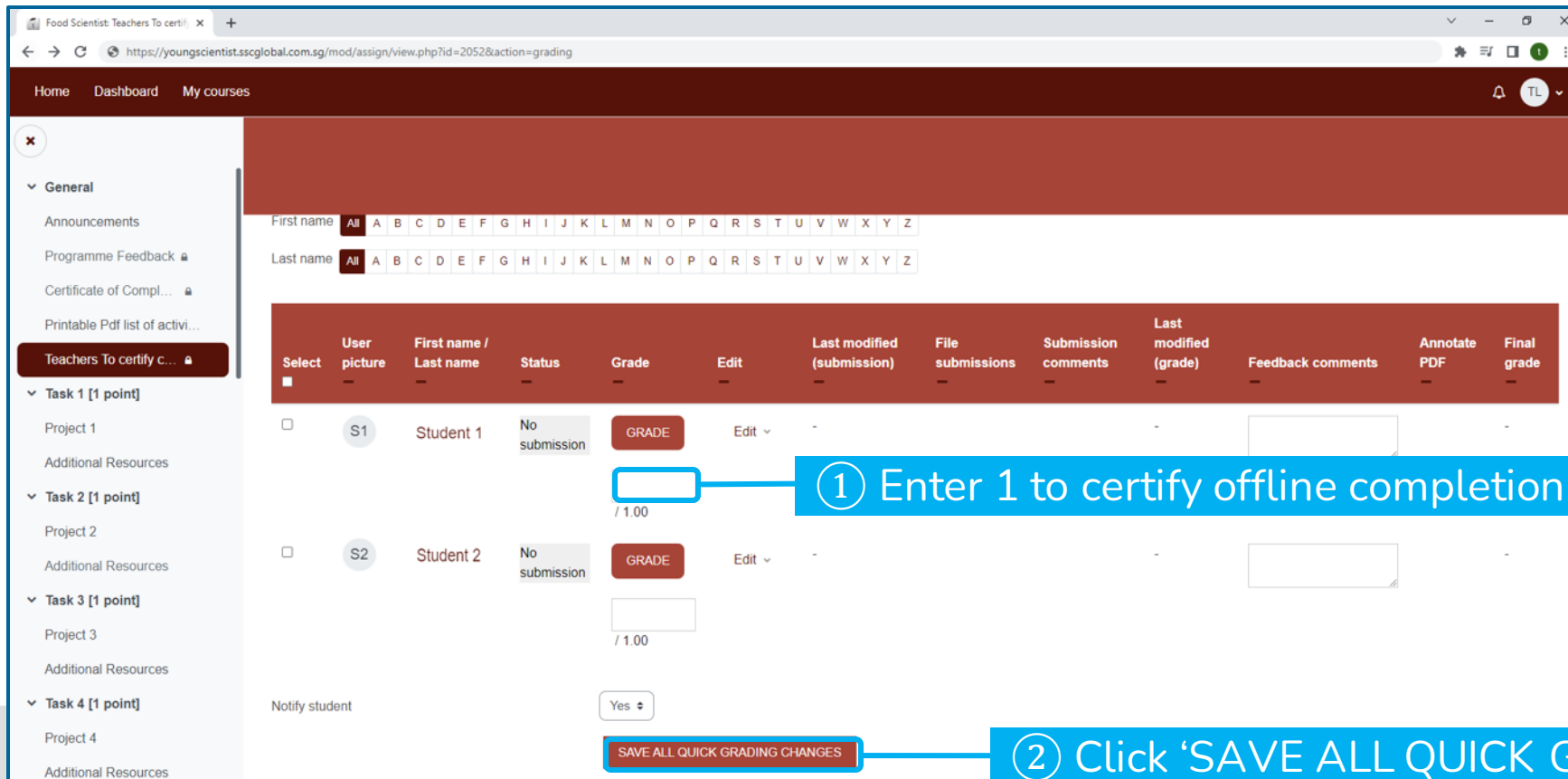
The screenshot shows a Moodle assignment grading interface. The page title is 'Food Scientist: Teachers To certify...'. The URL is 'https://youngscientist.sscglobal.com.sg/mod/assign/view.php?id=2052&action=grading'. The page has a dark red header with navigation links: Home, Dashboard, My courses. A left sidebar contains a menu with 'General' (Announcements, Programme Feedback, Certificate of Compl..., Printable Pdf list of activi..., Teachers To certify c...), 'Task 1 [1 point]' (Project 1, Additional Resources), 'Task 2 [1 point]' (Project 2, Additional Resources), 'Task 3 [1 point]' (Project 3, Additional Resources), 'Task 4 [1 point]' (Project 4, Additional Resources), and 'Task 5 [1 point]' (Project 5). The main content area has a 'Notify student' dropdown set to 'Yes', a 'SAVE ALL QUICK GRADING CHANGES' button, and a 'With selected...' dropdown set to 'Lock submissions' with a 'GO' button. Below this is an 'Options' section with 'Assignments per page' set to '10', a 'Filter' dropdown set to 'No filter', and two checked options: 'Quick grading' and 'Download submissions in folders'. A blue callout box highlights the 'Options' section, and a blue text box at the bottom left contains the instruction: '1 Ensure quick grading is ticked/checked'. The footer includes 'Young Scientist Badge Scheme FAQs', 'About Us', 'Terms of use', and 'Contact'. The 'singapore' logo is in the bottom left corner.



3. Reviewing Students' Offline Submissions (Optional)

3.11 Enabling Bulk Review (Cont'd)

In the 'Teachers To certify completion' assignment, allocate "1" to students who have completed the course (obtained at least 15 stars) offline. The eBadge will then be automatically awarded to the students.



The screenshot shows a Moodle assignment page titled 'Food Scientist: Teachers To certifi...'. The page includes a navigation menu on the left with options like 'Home', 'Dashboard', and 'My courses'. The main content area displays a grading table with columns for 'Select', 'User picture', 'First name / Last name', 'Status', 'Grade', 'Edit', 'Last modified (submission)', 'File submissions', 'Submission comments', 'Last modified (grade)', 'Feedback comments', 'Annotate PDF', and 'Final grade'. Two student rows are visible, both with 'No submission' status and a 'GRADE' button. A blue callout box with a circled '1' points to the 'Grade' column, containing the text 'Enter 1 to certify offline completion'. Another blue callout box with a circled '2' points to a 'SAVE ALL QUICK GRADING CHANGES' button at the bottom of the table, containing the text 'Click 'SAVE ALL QUICK GRADING CHANGES''. The browser address bar shows the URL: https://youngscientist.sscglobal.com.sg/mod/assign/view.php?id=2052&action=grading.

Select	User picture	First name / Last name	Status	Grade	Edit	Last modified (submission)	File submissions	Submission comments	Last modified (grade)	Feedback comments	Annotate PDF	Final grade
<input type="checkbox"/>	S1	Student 1	No submission	GRADE	Edit	-			-			-
<input type="checkbox"/>	S2	Student 2	No submission	GRADE	Edit	-			-			-



SECTION 4
MONITORING STUDENTS' PROGRESS

4. Monitoring Students' Progress

4.1 Accessing Course Grades

The screenshot shows a web browser window displaying a course page. The browser's address bar shows the URL <https://youngscientist.sscglobal.com.sg/course/view.php?id=12>. The page has a dark red header with navigation links: Home, Dashboard, and My courses. A left sidebar contains a menu with sections: General, Task 1 [1 point], Task 2 [1 point], Task 3 [1 point], Task 4 [1 point], and Task 5 [1 point]. The main content area is titled "I am a Food Scientist" and features a horizontal navigation bar with tabs: Course, Participants, Grades, Reports, Badges, and More. A blue callout box with the number "1" and the text "Click 'Grades'" points to the "Grades" tab. Below the navigation bar, there is a "General" section with a "Collapse all" link. The main content area contains an illustration of a food pyramid, a scientist in a lab coat and goggles, and a circular logo for "I AM A YOUNG FOOD SCIENTIST". Below the illustration, a text box explains: "Who is a **food scientist**? A **Food scientist** uses various methods to study all about the food we consume. Food scientists test the types of fats, proteins, vitamins and minerals present in our food." A small red question mark icon is located in the bottom right corner of the page content.

4. Monitoring Students' Progress

4.2 Viewing Course Grades

The number of stars obtained by the students are presented in a wide form table.

The screenshot shows a web application interface for viewing course grades. The main content area is titled "I am a Food Scientist: View: Preferences: Grader report". Below the title, there are navigation tabs: "Course", "Participants", "Grades" (selected), "Reports", "Question bank", and "More". A dropdown menu labeled "GRADER REPORT" is visible. The "Grader report" section includes a "Separate groups" dropdown set to "P3_A" and a progress indicator "P3_A: 2/2". Below this, there are filters for "First name" and "Last name", both set to "All". The main data is presented in a table with the following structure:

First name / Last name ^		City/town	Project 1	Teachers To certify compl...	Project 3	Project 20	Project 4	Project 5
S1	STUDENT 1		✘ 0.00	-	✔ 1.00	✔ 3.00	✔ 1.00	✘ 0.00
S2	STUDENT 2		-	-	-	-	-	-
Group average			0.00	-	1.00	3.00	1.00	0.00
Overall average			0.73	1.00	0.79	1.97	0.98	?

4. Monitoring Students' Progress

4.3 Understanding Grader Report

Grader report

Separate groups

① Click on dropdown to select class

P3_A: 2/2

First name A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

② Filter by first character of student's name

Last name A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

③ Student name

④ Task name

First name / Last name	City/town	I am a Food Scientist	Project 1	Teachers To certify compl...	Project 3	Project 20	Project 4	Project 5
S1 STUDENT 1			✗ 0.00		✓ 1.00	✓ 3.00	✓ 1.00	✗ 0.00
S2 STUDENT 2			-		-	-	-	-
Group average			0.00		1.00	3.00	1.00	0.00
Overall average			0.73		1.00	1.97	0.98	?

⑤ Stars obtained by student for the Task

⑥ Drag bottom navigation bar right to view number of Stars for other Tasks in the Course

4. Monitoring Students' Progress

4.4 Accessing Course Certificate

The screenshot shows a web browser window with the URL <https://youngscientist.sscglobal.com.sg/course/view.php?id=12>. The page title is "I am a Food Scientist". The navigation menu on the left includes "General", "Announcements", "Programme Feedback", "Certificate of Completion", and "Teachers To certify com...". The "Certificate of Completion" option is highlighted with a blue box. The main content area shows a course overview with a food pyramid and a scientist character.

Certificate of Completion

① Click 'Certificate of Compl...'

4. Monitoring Students' Progress

4.5 Viewing Certificate of Completion

Students who have completed the course (earned at least 15 stars) and programme feedback will be listed in the table. Teachers may encourage students to download their e-certificates.

Food Scientist > Certificate of Completion



Certificate of Completion

VIEW CERTIFICATE

Recipients: 1

Separate groups: MyClass

Download table data as

First name / Last name	Awarded on	Code	File
AS AMOS KRIS CHEONG SHEN	Wednesday, 14 June 2023, 12:26 PM	GguwLdM3Jc	 

Footer: About Us, Follow Us (Facebook), Contact (15 Science Centre Road, Science Centre Singapore, Phone: 64252500, E-mail: young_scientist@science.edu.sg)

① Click to download the certificate





SECTION 5

TROUBLESHOOTING

5. Troubleshooting

5.1 Guides and Technical Support

- Refer to <https://www.facebook.com/watch/scsyounghscientist/787226655014676/> for a list of short videos on how to use the YSBS portal.
- If you face technical issues that are not covered in the guide, you can fill in the details in the form: <https://form.gov.sg/5e801da70994bc0011f4a352>

