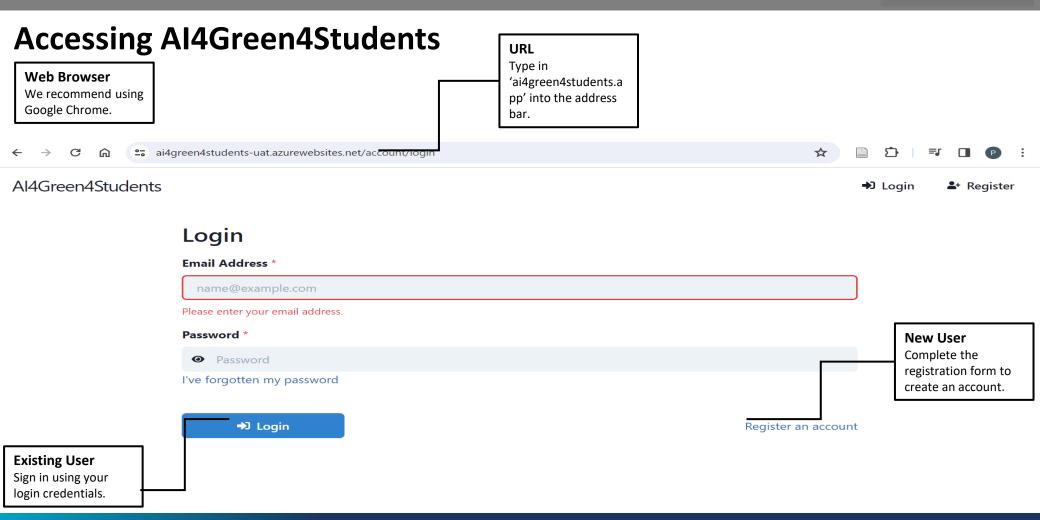
14Green4Students





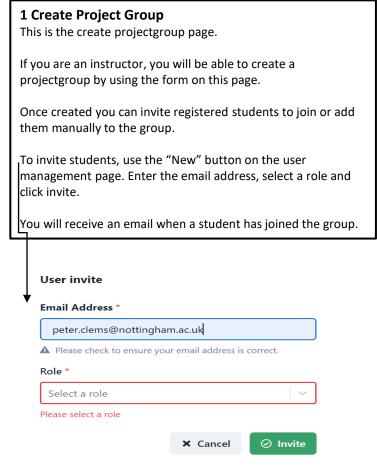


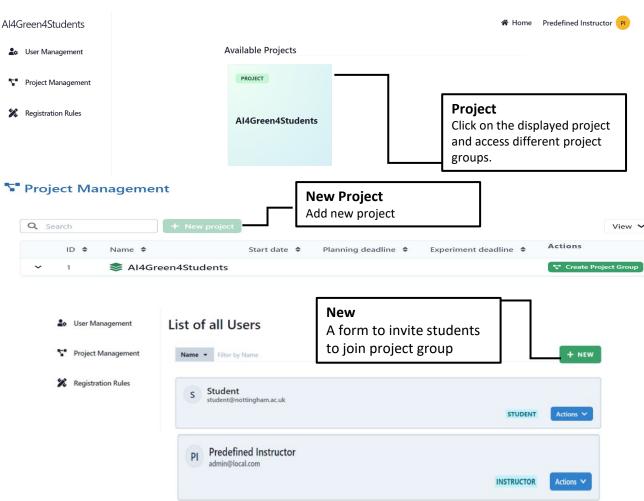
About Al4Green4Students





Getting Started – Instructor







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A Home Peace

Getting Started – Standard users

1 Join workgroup

This is the join workgroup page.

You should join the workgroup of your principal investigator.

To do this find their workgroup from the dropdown and then select and request to join the workgroup.

The principal investigator of the workgroup will then receive a notification and approve or deny the request.

2 Join workbook

This is the join workbook page

Once you a workgroup member you will have access to the workgroup page where you will be able to join workbooks by request or having your PI add you directly.

Your usertype can also be changed by your PI or you can make a request. Senior researchers are able to create and manage workbooks.

You must belong to a workbook within a workgroup before you can create reactions.

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User Management

Project Management

Registration Rules

Available Project Groups

PROJECT GROUP

Test

PROJECT GROUP

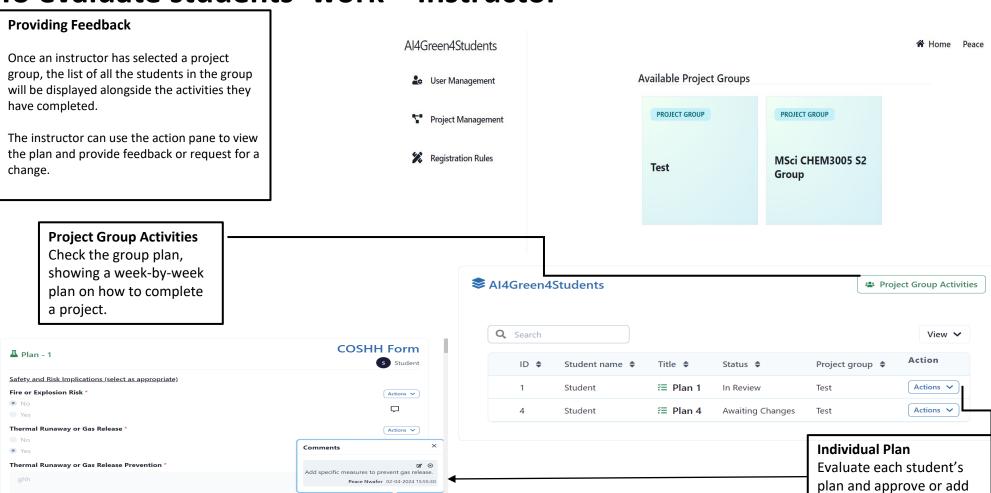
MSci CHEM3005 S2 Group







To evaluate students' work – Instructor



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feedback.

N4Green4Students



Getting Started – Student

Home

This is the home page

Learn more

Access the sustainability page. You don't need to be a member of a project group.

Sustainability metrics

Practise calculating green metrics.

7 11 10 100 11 10 10 10 10

Al4Green4Students

Welcome to Al4Green4Students.

Student!

Al4Green is a web app designed to encourage the application of green and sustainable chemistry.

Green Chemistry

This is the chemistry that considers the design of chemical products and processes to reduce the use or generation of hazardous substances.

Learn more >>

Sustainability Metrics

Sustainable Chemistry Metrics enable quantitiative evaluation of chemical reactions. You can learn and practise calculating some of the metrics by clicking the link below.

Calculate Sustainable Metrics >>



A Home Student S

Available Projects

PROJECT

AI4Green4Students

Available Projects

Select your project and project group







Project Group

Project Activities

This encourages collaboration. Members of a project group plan the project timeline showcasing the weekly plan.

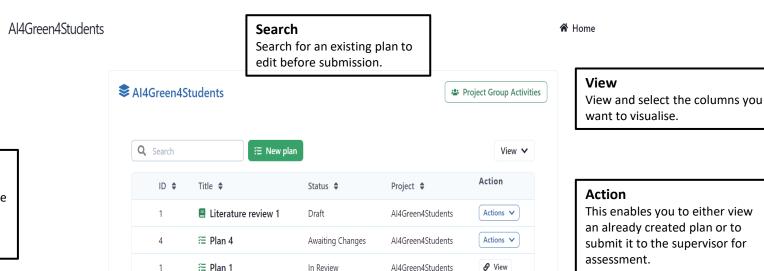
New Plan

Create a new plan to be approved before conducting an experiment in the lab. Name format: initials of 1st and last name followed by name and date. E.g. PO Suz Low Temp 01 02 2004 V1

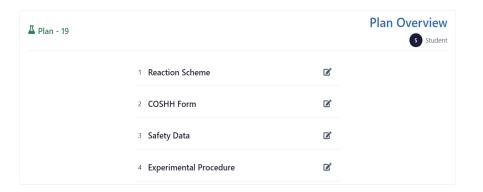
Plan Overview

Displays elements of prelab tasks to be completed. Use a Reaction scheme to draw structures and generate a reaction table.

You can use the COSSH form to assess the health and safety issues of the reaction to be created.



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assessment.

☆ Home Student 5

Help

Access our help guides and video tutorials.



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Reactions

1 Sketcher

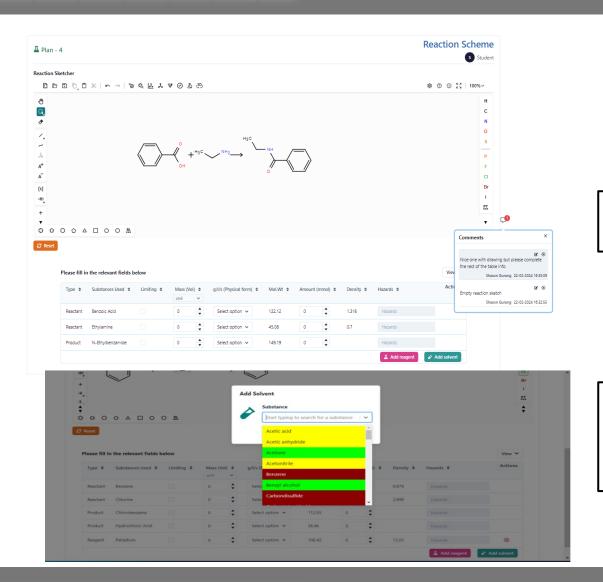
Draw the reaction here. Compounds drawn over the arrow will be ignored. Press "Generate reaction data" to continue.

2 Reaction Table

Fill in all highlighted boxes. Add any reagents or solvents by CAS or name.

Enter the correct hazard codes. The system will validate your entry to enable you provide correct codes. Your supervisor will later assess the codes and give you feedback.

Press "Save" to proceed.



Comment

The instructor adds feedback here to aid in rework or improvements.

Add Solvent

Press add solvent and type into the substance box. A drop-down list of solvents colour-coded in red, green, yellow and dark red will be displayed. This enables the selection of greener solvents.



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Metadata

reaction.

Lab Notebook

Lab Notebook

This is for documenting your experiment in the lab. It allows you to record all vital information for properly constructing the experiment report.

Status:

Enter whether a reaction was successful or not.

▲ Lab notes (Plan -)	Metadata + Save	This section allows you to record information about the experimental data
Reaction Name *		
Reaction Name		
Status * Successful Unsuccessful Temperature (°C) *		
Temperature (°C) Start Date and Time * dd/mm/yyyy:		
End Date and Time * dd/mm/yyyy:		
Duration (hours) *	Dur Ente	ation or how long it took from the to the completion of the





Lab Notebook

Lab Notebook

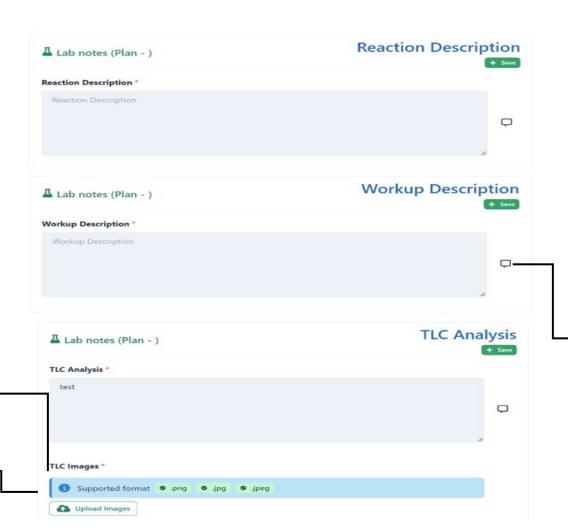
This is for documenting your experiment in the lab. It allows you to record all vital information for properly constructing the experiment report.

TLC Analysis

Discuss critically the results of TLC analysis to monitor reaction progress

TLC Images

Press the button to upload photos of TLC plates taken at various intervals during the reaction.



Reaction Description

Write a summary of the reaction including the reactants, reagents, products and the reaction conditions.

Workup

Enter details about the isolation and purification process.

Feedback

An instructor gives feedback and raises points that need to be actioned.



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Lab notebook

Characterisation of Products

Describe the product(s) of the reaction including the physical form, functional groups, etc.

Spectra

Press the upload button to add NMR, IR and MS spectra to support the product analysis.

Observation/Inferences

Add notable observations made during experimenting and state what inferred from them.







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Report Section

🗸 Report - Suzuki

Report Overview



1 Abstract	
2 Introduction	ď
3 Results and Discussion	ď
4 Conclusion	ď
5 Experimental	ď
6 References	
7 Supporting Information	ď