



Kit-Build Concept Map Quick Guide

Learning Engineering Laboratory
Hiroshima University
2009-2021



HIROSHIMA UNIVERSITY

Fun Facts

of last 3 years of use

12

Course/Subjects

5

Institutions

1740

Users

1915

Minutes of use

Language Selection

Selected language will be applied throughout the system during initial use.

The default language of the system is Japanese (JP) and the system needs to be reloaded if the selected languages is differ with the currently applied language settings.

Please select your preferred language.



English (EN)



日本語 (JP)

If you close the language dialog without selecting the language, you will be asked the next time the browser is loaded.

閉じる

Select Either English (EN) or Japanese (JP) by clicking the appropriate button.

User Dialog - Welcome Screen

The system needs to identify user who use it to offer different functionalities according to the role applied to the user. Two main different role of user to use the system are: Teacher and Student.

Student can recompose concept maps from Kit-Build kits of a particular Topic and get feedback while recomposing the concept map. This activity is called Kit-Building.

Teacher has the responsibilities to prepare the contents, compose concept maps, and prepare a kit for their concept maps. The prepared kit will be used by Student in Kit-Building activity. Teacher also have access to Analyzer feature to see and analyze students' concept maps.



Click this button to show the dialog again.



Click this button to login with username and password set by Administrator

Hi!, Welcome to Kit-Build Concept Map

In a few moments you will experience learning by concept map reconstruction with Kit-Build concept map.

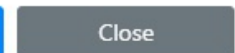
It is highly recommended that you use a laptop computer or desktop PC, and use a modern web browser that supports HTML5 and Javascript (such as Chrome, Firefox, or Chromium-based Edge) for the system to run properly.

Before we start, please enter your name. This will help us identify and save your concept map.

If privacy is important, you can use any name you like.

Please select the desired role.

☐ Teacher/Instructor ☐ Student



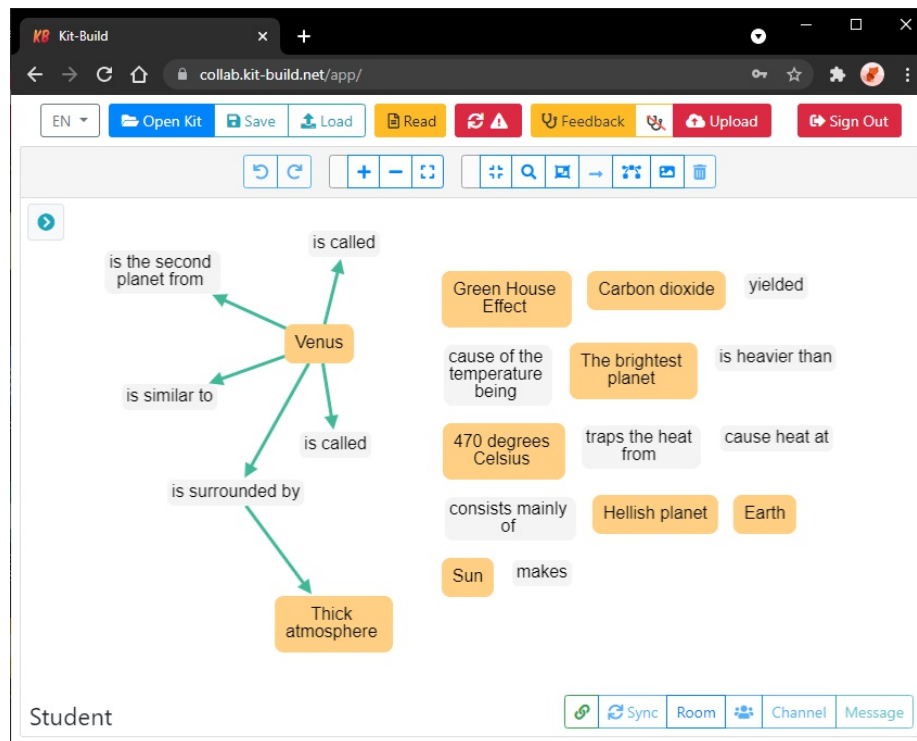
Provide a name, select the preferred role and click OK. Select Student to Experience Kit-Building activity.

You can switch between roles by signing-out and signing-in again with a different role.

Kit-Building

The main purpose of Kit-Building activity is to understand a learning topic by reading the provided content and recompose a concept map from a kit.

Prerequisite: Sign in as Student



Students are expected to compose a concept map in the same structure as teacher's concept map. By composing the same concept map structure as their teacher's concept map, students could understand what their teacher expect them to comprehend.



*Click Open Kit button to open a Kit
Save button to save the concept map
Load button to load concept map*



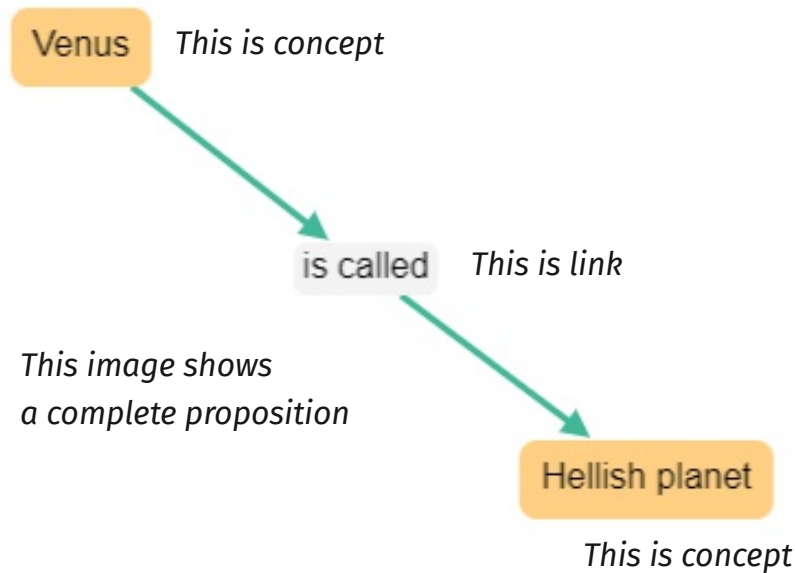
*Read button to read the contents
Reset button to reset concept map as
given in the initial kit.*



*Feedback button to get Feedback from system
Clear Feedback button to clear Feedback
Upload button to Save and Finish the Kit-Building activity*

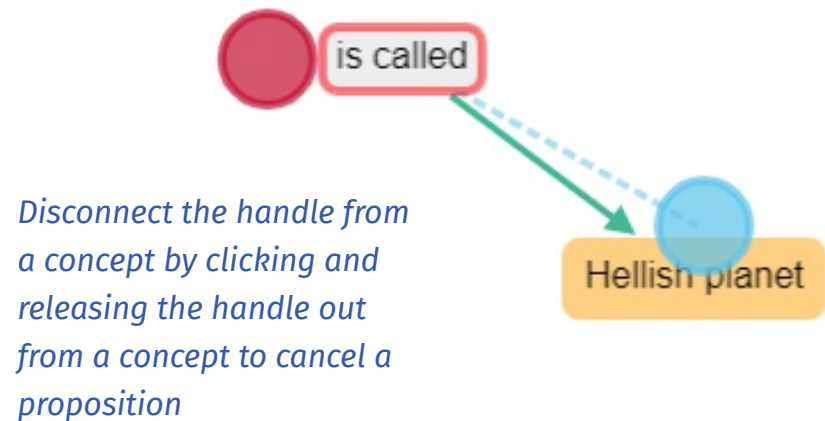
Kit-Building: Proposition and Composing a Concept Map

Proposition is a meaningful relationship between two concepts that is connected with a link.



Connect link with a concept by clicking a link node and drag and connect blue/red handle to an appropriate concept.

Connecting a link with a concept can also be done by dragging a concept node to a link node directly.



Kit-Building: Opening a Kit

Starts the Kit-Building activity by opening a Kit to recompose into a complete concept map.



Click Open Kit button to open an Open Dialog window

1. Select a Topic

Topic and Kit

Topic	Kit
General Topic	Kit for map Venusのゴールマップ...
Introduction	Venusのゴールマップ
English	Venus Kit Venusのゴールマップ ✓
General Zemi	
Venus: The Brightest Planet ✓	
ネットワーク 授業01	
sample lec	

2. Select the desired kit

NOTE:

*If you don't see any topic listed in the dialog.
Please click the Sign Out button and Sign-in
again as Student*

3. Click Open



*The selected kit will be shown on
canvas, replacing any existing
concept map*

Kit-Building: Getting a Feedback

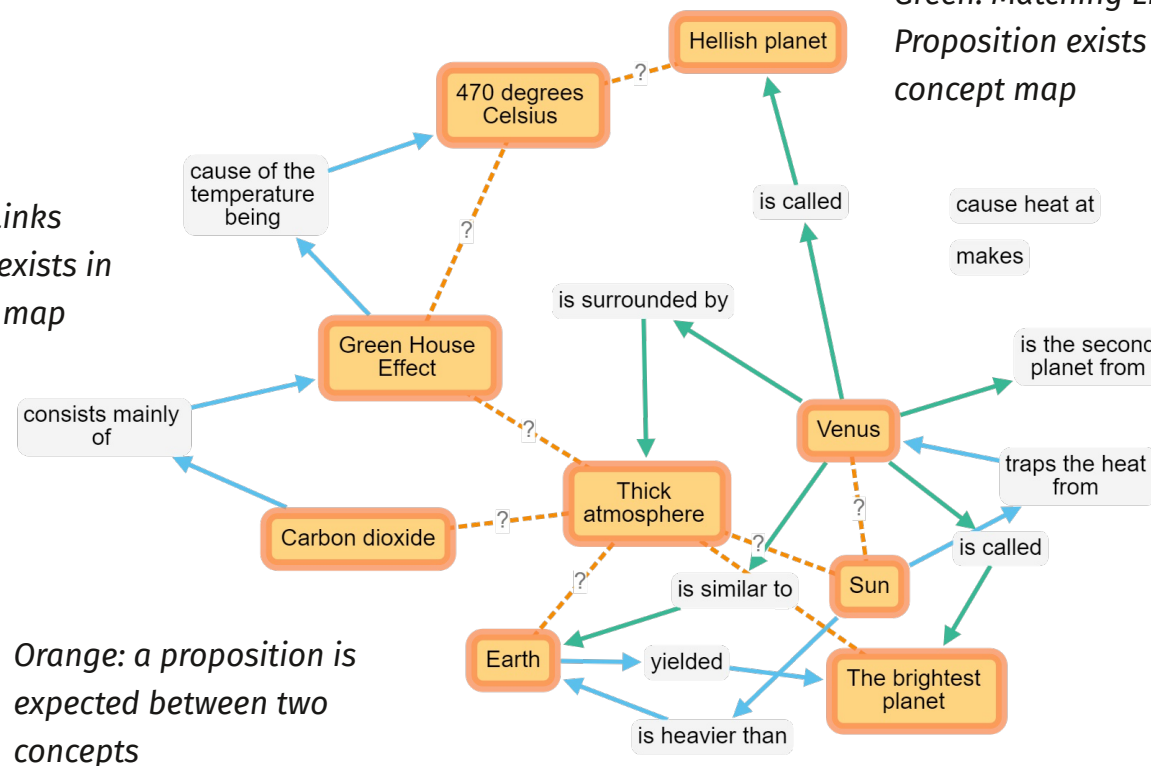
Starts the Kit-Building activity by opening a Kit to recompose into a complete concept map.



Click the Feedback button to get Feedback from system

Click the Clear Feedback button to remove feedback information from canvas.

Blue: Excessive Links
Proposition not exists in teacher concept map



Green: Matching Links
Proposition exists in teacher concept map

*Unconnected/
Partially connected:
Missing Links*

*Orange: a proposition is
expected between two
concepts*

Kit-Building: Real-Time Collaboration

Starts the collaboration with two or more users.

One user has to create a room for others to join.

2. Click
Create Room

Room

No room available

Create RoomLeave Room

Sync

Room

Channel

Message

1. Click Room

Create Room

3. Enter Room Name

×

Room

Student's Room

Enter a room name. Room name cannot empty.

4. Click OK

OK

Close



NOTE:

A crossed chain icon indicated connection problem to collaboration server (TCP Port 3000). If you see this icon collaboration activity cannot be performed by user.

Room

Student's Room

Create RoomLeave Room

Sync

Student's Room

Channel

Message

Newly created Room and the number of users inside the room will be shown

Kit-Building: Joining a Collaboration

Join a collaboration with others to work together with a concept map in real-time.

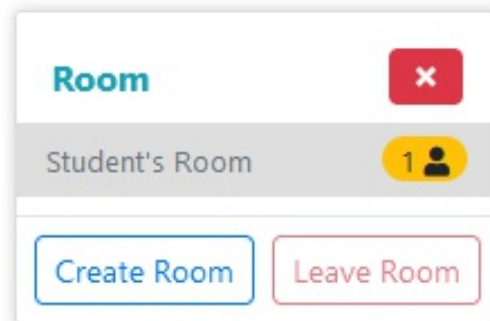
*If used on the same computer, use a different web browser.
NOT a different window or tab*



NOTE:

*A crossed chain icon indicated connection problem to collaboration server (TCP Port 3000).
If you see this icon collaboration activity cannot be performed by user.*

2. Click
The desired room
(Student's Room)



1. Click Room

Enter room: Student's Room?

Your map will be synchronized and messages will be cleared.
Continue?

3. Click Yes

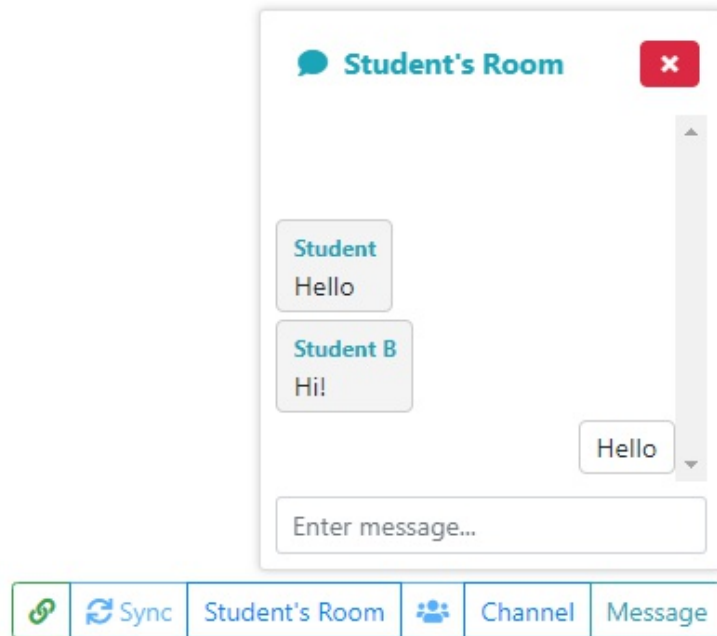


*Joining room SYNC/COPY the
concept maps from others to
the joining user.*

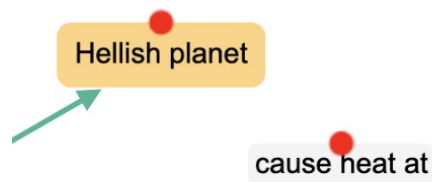
*After joining, all concept
mapping activities and actions
will be synchronized to all
users in the same room.*

Kit-Building: Discussion

Discuss and communicate between members in a room



1. Click Message



Newly incoming message or unread messages of a particular concept or link will have a blinking red dot above the respective node.

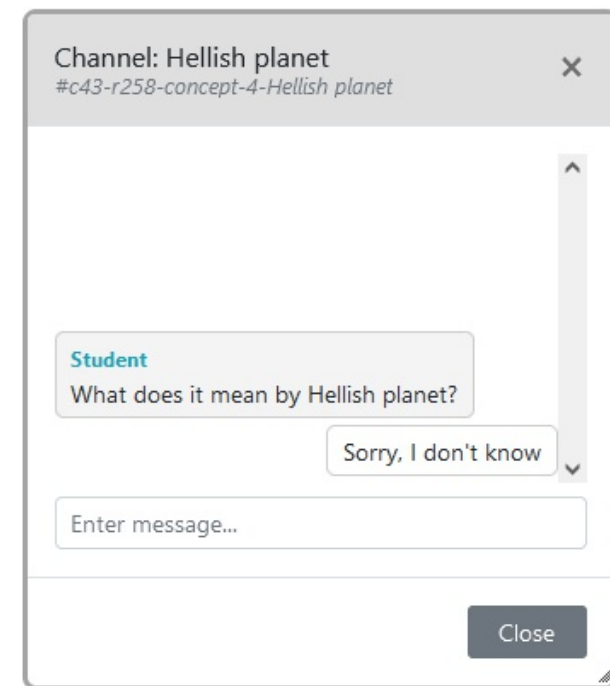
2. Type your message and press ENTER to send

2. Click Message Icon

1. Click a Concept/
Link node



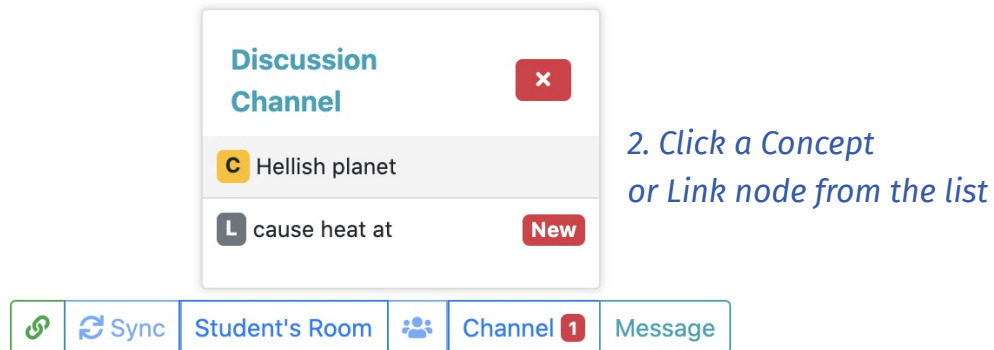
Channel message dialog will appear



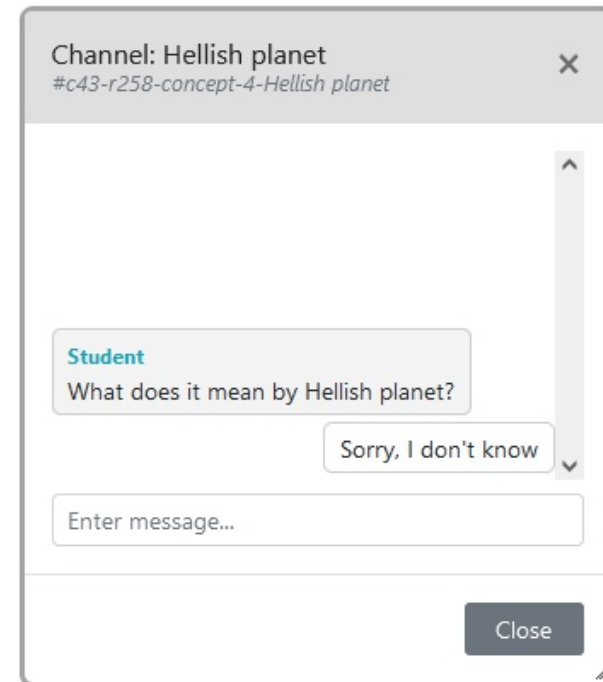
3. Type your message and press ENTER to send

Kit-Building: Tracking Discussion

Tracking discussion and conversation between concepts or links to handle multiple/several conversation simulatenously.



1. Click Channel



The clicked channel message dialog will appear and the contents will change according to the active concept or link discussion channel.

Comparison Analysis

Analyzing concept maps made by students and compare students' concept map with teacher concept map.

 Sign Out

If you had signed in as Student, sign out by clicking the Sign Out button.

 Guest Sign-in

Click this button to show the sign in dialog again.

Provide a name, select the appropriate role and click OK. Select Teacher role to experience Analysis activity.

Welcome, Teacher!

Let's start composing or analyzing concept maps of Kit-Build.

 OK

Click OK

Hi!, Welcome to Kit-Build Concept Map

In a few moments you will experience learning by concept map reconstruction with Kit-Build concept map.

It is highly recommended that you use a laptop computer or desktop PC, and use a modern web browser that supports HTML5 and Javascript (such as Chrome, Firefox, or Chromium-based Edge) for the system to run properly.

Before we start, please enter your name. This will help us identify and save your concept map.

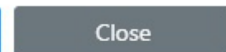
If privacy is important, you can use any name you like.

Please select the desired role.

☐ Teacher/Instructor ☐ Student

Click OK

 OK

 Close

EN

App

New/Open Map

Concept Mapping

Static Analyzer

Dynamic Analyzer

System Administration

Click App

Click Static Analyzer

Static Analyzer Interface

Static Analyzer

EN App Open Teacher's Map Sign Out

Groups Map

Teacher Group Range

Min 1 Max 122

☐ First ☒ Last Clear

Learners Maps

Kits All

Groups All

Type All

Name	Score
<input type="checkbox"/> Student-39	F Fx 75.0%
<input type="checkbox"/> Student-39	Fx 75.0%
<input type="checkbox"/> Student-39	Fx 91.7%
<input checked="" type="checkbox"/> Student-39	L Fx 100.0%
<input checked="" type="checkbox"/> Student-40	F L Fx 58.3%
<input checked="" type="checkbox"/> Student-41	F L Fx 41.7%
<input type="checkbox"/> Student-42	F Fx 41.7%
<input checked="" type="checkbox"/> Student-42	L Fx 41.7%
<input type="checkbox"/> Student-43	F Fx 8.3%
<input type="checkbox"/> Student-43	Fx 8.3%

Layout Learnermap


Undo Redo Zoom Map

Earth is similar to Hellish planet
Earth is heavier than Venus
Earth is the second planet from Sun
Earth consists mainly of
Earth cause of the temperature being
Earth traps the heat from
Earth 470 degrees Celsius
Venus is called Hellish planet
Venus is called The brightest planet
Venus is surrounded by Thick atmosphere
Venus makes Carbon dioxide
Venus cause heat at 470 degrees Celsius
Sun is the second planet from Venus
Sun traps the heat from
Carbon dioxide yields Green House Effect
Green House Effect cause heat at 470 degrees Celsius
Thick atmosphere consists mainly of

LMID: 544 Student-40 UID: 45 Type: fix Time: 2021-03-17 06:42:24 GMID: 23 Kit ID: 24

Static Analyzer: Opening a Teacher Map for Analysis

Opening a Teacher Map for analysis related to the students concept map static aspects, including the individual comparison and group map comparison analysis to teacher's concept map.

 Open Teacher's Map

1. Click this button to open the dialog window of teacher concept map

2. Select a Topic

Topics and Concept Maps

Topic	Goalmap
General Topic	Venusのゴールマップ ✓
Introduction	
English	
General Zemi	
Venus: The Brightest Planet ✓	
ネットワーク 授業01	
sample lec	

3. Select a Teacher Map

Open

Cancel

4. Click Open

NOTE:

If you don't see any topic listed in the dialog.
Please click the Sign Out button and Sign-in
again as Teacher/Instructor.























Static Analyzer: Student Concept Map Similarity

Comparing students concept map with teacher concept map and see the similarity score.

Similarity scores of students concept maps are shown in lower-left list of Static Analyzer page.

NOTE:

The students data are coming from legit student concept mapping activities. Student names have been anonymized due to security and privacy reasons.

Learners Maps		
 Kits	All	▼
 Groups	All	▼
 Type	All	▼
Name	Score	
<input type="checkbox"/> Student-39	 	75.0%
<input type="checkbox"/> Student-39		75.0%
<input type="checkbox"/> Student-39		91.7%
<input checked="" type="checkbox"/> Student-39	 	100.0%
<input checked="" type="checkbox"/> Student-40	  	58.3%
<input checked="" type="checkbox"/> Student-41	  	41.7%
<input type="checkbox"/> Student-42	 	41.7%
<input checked="" type="checkbox"/> Student-42	 	41.7%
<input type="checkbox"/> Student-43	 	8.3%
<input type="checkbox"/> Student-43		8.3%

Tag labels:

F - The first saved concept map

L - The last saved concept map

Fx - The uploaded concept map

Static Analyzer: Individual Concept Map Analysis

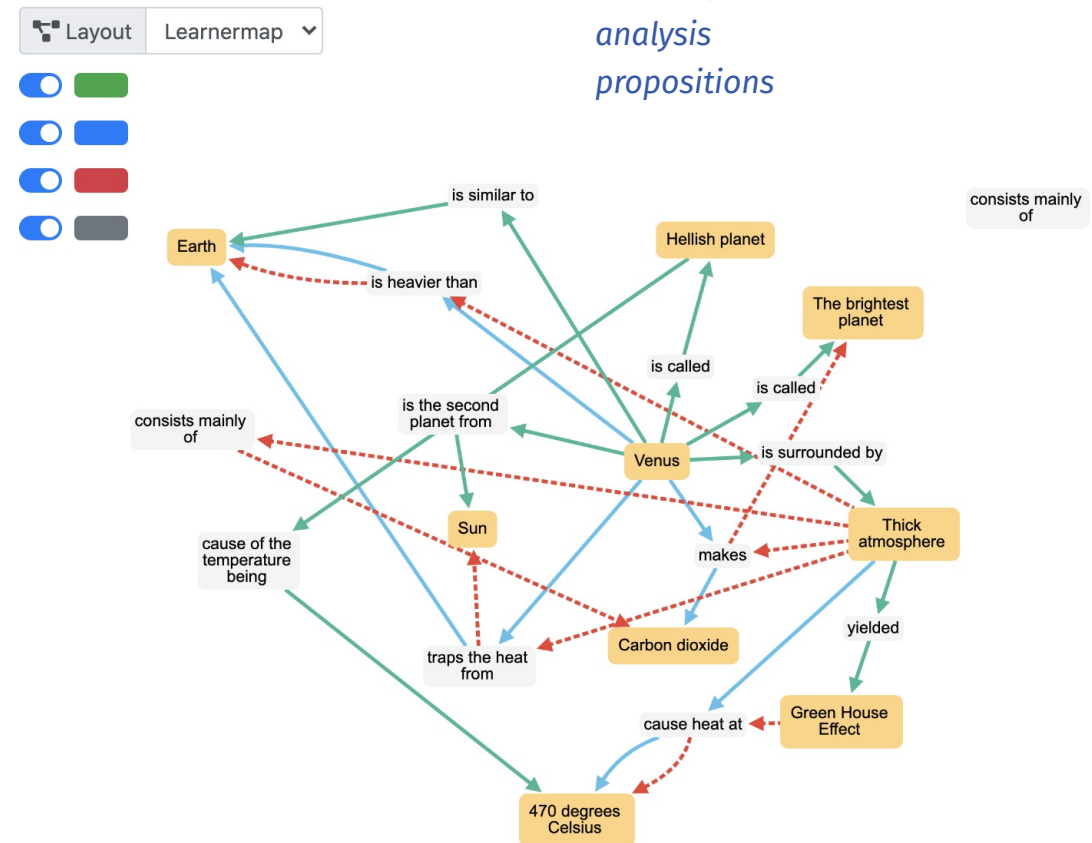
Comparing a student concept map with teacher concept map and see parts of the concept map that are similar or differ.

Comparison analysis result is shown in canvas

Turn on/off switch to show/hide analysis propositions

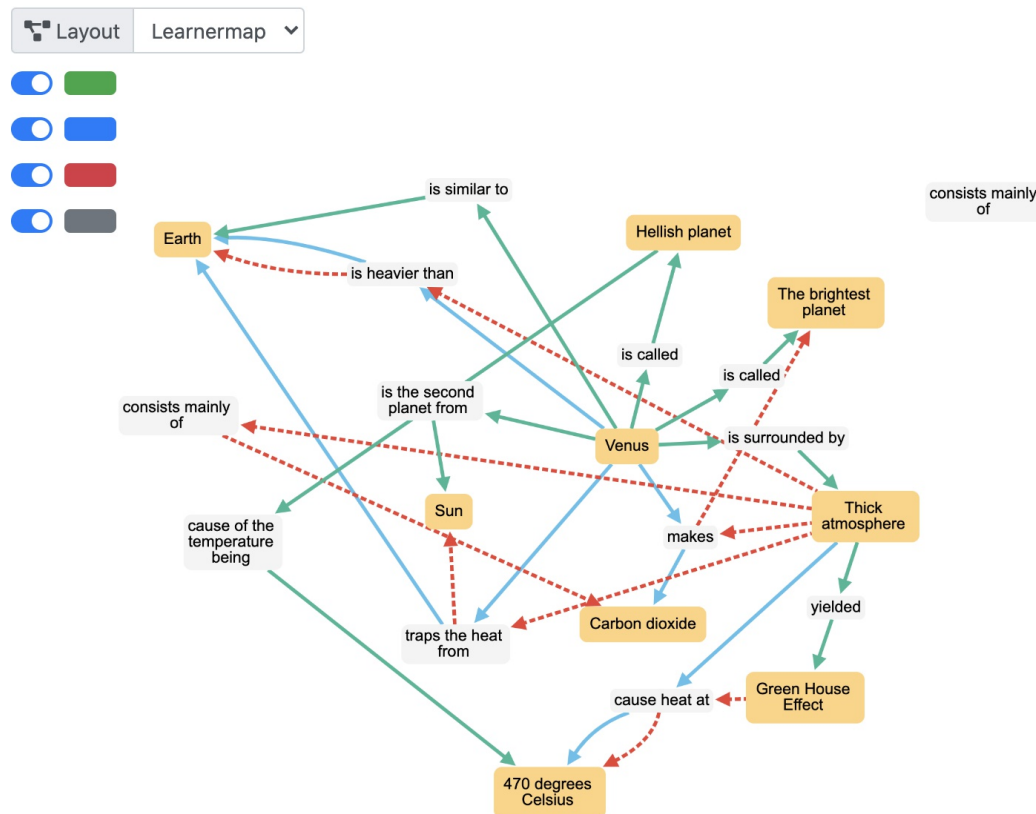
Learners Maps		
Kits	All	
Groups	All	
Type	All	
Name	Score	
<input type="checkbox"/> Student-39	F Fx	75.0%
<input type="checkbox"/> Student-39	Fx	75.0%
<input type="checkbox"/> Student-39	Fx	91.7%
<input checked="" type="checkbox"/> Student-39	L Fx	100.0%
<input checked="" type="checkbox"/> Student-40	F L Fx	58.3%
<input checked="" type="checkbox"/> Student-41	F L Fx	41.7%
<input type="checkbox"/> Student-42	F Fx	41.7%
<input checked="" type="checkbox"/> Student-42	L Fx	41.7%
<input type="checkbox"/> Student-43	F Fx	8.3%
<input type="checkbox"/> Student-43	Fx	8.3%

Click one of the concept map from the list.



Static Analyzer: Concept Map Comparison Analysis

Comparing a student concept map with teacher concept map
and see parts of the concept map that are similar or differ.



Green: Matching Links

Propositions made by students are exists in teacher concept map

Blue: Excessive Links

Propositions made by students are not exists in teacher concept map

Red: Missing Links

Propositions made by teacher that is not made by students

Grey: Unconnected Links

Links that are not formed into propositions by students (not connected)

Static Analyzer: Group Concept Map Comparison Analysis

Comparing several student concept maps with teacher concept map and see parts of the concept map that are similar or differ.

Groups **Show Groups Map**

Teacher **Group** Range

Min 1

Max 72

☐ First ☒ Last **Clear**

Learners Maps

Kits All

Groups All

Type All

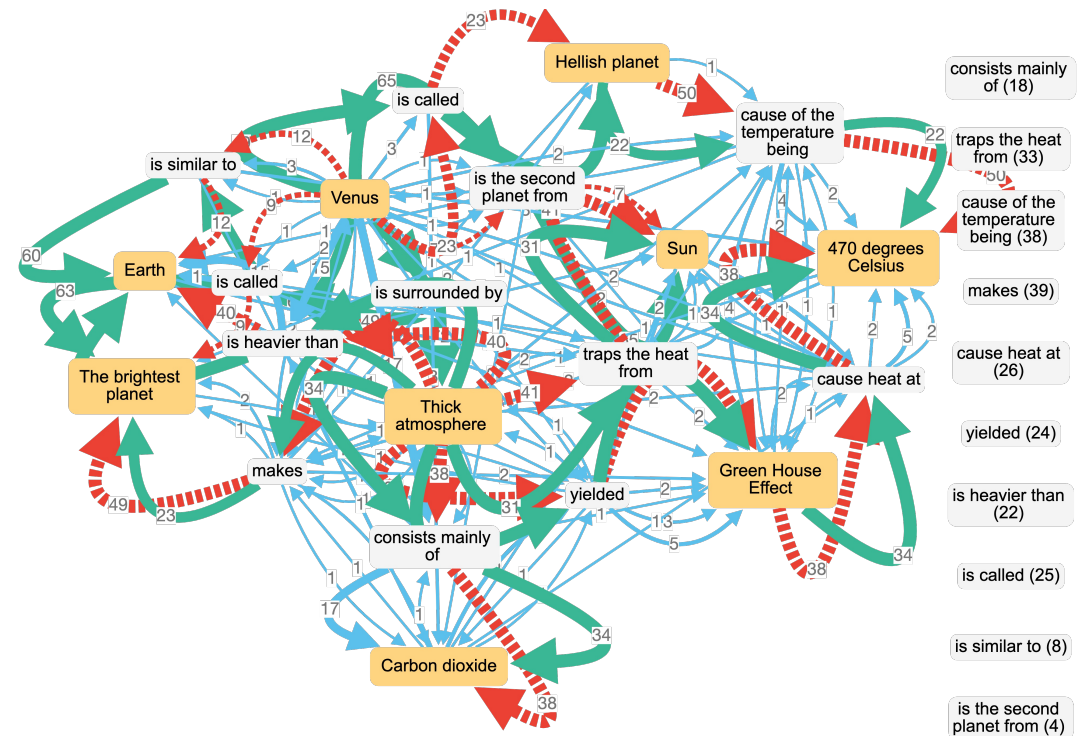
Name	Score
<input type="checkbox"/> Student-39	F Fx 75.0%
<input type="checkbox"/> Student-39	Fx 75.0%
<input type="checkbox"/> Student-39	Fx 91.7%
<input checked="" type="checkbox"/> Student-39	L Fx 100.0%
<input checked="" type="checkbox"/> Student-40	F L Fx 58.3%
<input checked="" type="checkbox"/> Student-41	F L Fx 41.7%
<input type="checkbox"/> Student-42	F Fx 41.7%
<input checked="" type="checkbox"/> Student-42	L Fx 41.7%
<input type="checkbox"/> Student-43	F Fx 8.3%
<input type="checkbox"/> Student-43	Fx 8.3%

1. Select concept map from list for inclusion in the group analysis

- Check first or last to automatically select all first or last concept maps of each student.

2. Click the Group button to show the group analysis.



The canvas will show the group analysis result of all selected students concept map from the list.






The number shown denotes how many students are associated with each proposition analysis result.


Static Analyzer: Limiting Visualization of Group Comparison Analysis

Limiting the visualization of group concept maps comparison analysis result.

 Groups Map 

	Teacher	Group	Range
Min			
Max			

Min  35

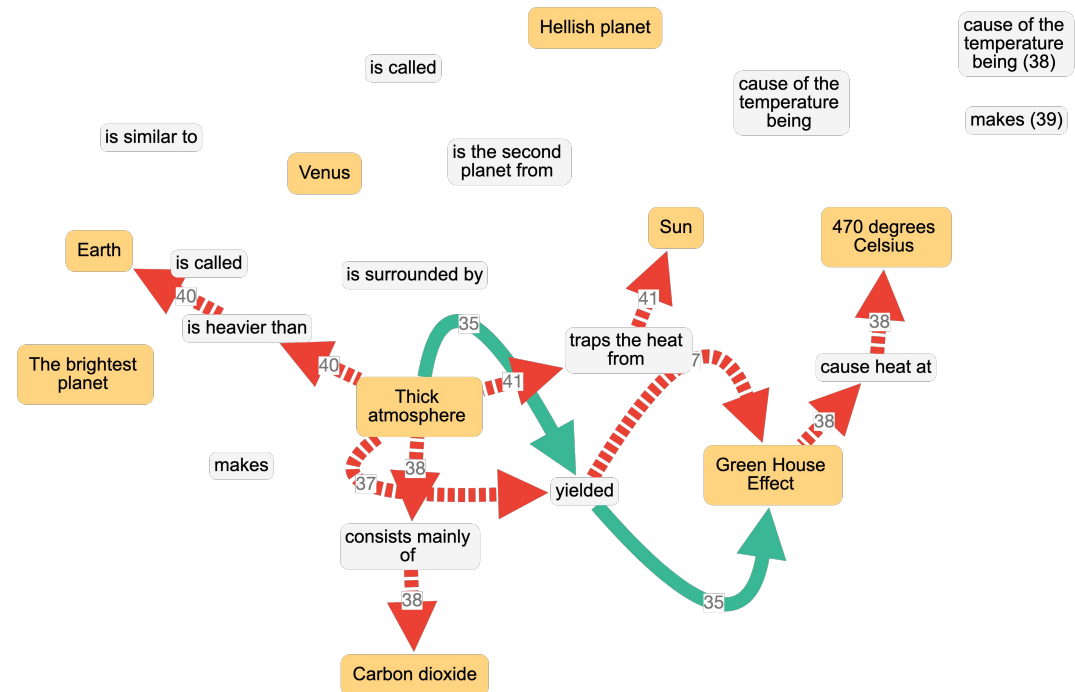
Max  41

☐ First ☒ Last

Drag the Min and Max slider to set the range and limit the visualization of group comparison analysis result.

Click the Teacher button to show the teacher map.

The canvas will show the group analysis result of all selected students concept map from the list with only propositions between the selected minimum and maximum value.



Process Analysis

Analyzing the process of concept map making of students to see the behaviour of students when composing a concept map with a particular teacher concept map or kit.

 Sign Out

If you had signed in as Student, sign out by clicking the Sign Out button.

 Guest Sign-in

Click this button to show the sign in dialog again.

Provide a name, select the appropriate role and click OK. Select Teacher role to experience Analysis activity.

Welcome, Teacher!

Let's start composing or analyzing concept maps of Kit-Build.

OK

Click OK

Hi!, Welcome to Kit-Build Concept Map

In a few moments you will experience learning by concept map reconstruction with Kit-Build concept map.

It is highly recommended that you use a laptop computer or desktop PC, and use a modern web browser that supports HTML5 and Javascript (such as Chrome, Firefox, or Chromium-based Edge) for the system to run properly.

Before we start, please enter your name. This will help us identify and save your concept map.

If privacy is important, you can use any name you like.

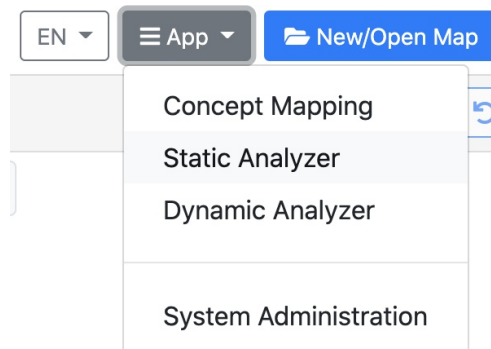
Please select the desired role.

☐ Teacher/Instructor ☐ Student

Click OK

OK

Close



Click App dropdown menu

Click Dynamic Analyzer

Dynamic Analyzer Interface

Dynamic Analyzer

EN App Open Map Teacher Sign Out Proposition Set Analysis >

Group Analysis

Min 1 Max 1

Learnermap Reload

Session ☐ First ☒ Last Clear

Name	Duration
<input type="checkbox"/> K:24 Student-81 F 11:29	
<input checked="" type="checkbox"/> K:24 Student-81 L 13:06	
<input checked="" type="checkbox"/> K:24 Student-84 F L 06:10	
<input type="checkbox"/> K:24 Student-87 F 03:47	
<input type="checkbox"/> K:24 Student-87 06:44	
<input type="checkbox"/> K:24 Student-87 09:08	
<input checked="" type="checkbox"/> K:24 Student-87 L 17:27	
<input checked="" type="checkbox"/> K:24 Student-91 F L 22:24	
<input checked="" type="checkbox"/> K:24 Student-99 F L 04:08	
<input checked="" type="checkbox"/> K:24 Student-102 F L 08:31	
<input checked="" type="checkbox"/> K:24 Student-103 F L 08:25	
<input checked="" type="checkbox"/> K:24 Student-104 F L 08:28	
<input checked="" type="checkbox"/> K:24 Student-105 F L 08:24	
<input checked="" type="checkbox"/> K:24 Student-106 F L 08:36	

Group Analysis > Flow Analysis > Comparison Analysis Start 00:00

Undo Redo Zoom Map

is similar to is called is the second planet from is surrounded by is heavier than makes consists mainly of traps the heat from yielded cause of the temperature being cause heat at

Earth Venus Hellish planet Sun The brightest planet Thick atmosphere Green House Effect Carbon dioxide 470 degrees Celsius

Dynamic Analyzer: Opening a Teacher Map for Analysis

Opening a Teacher Map for analysis related to the students concept map process and dynamic aspects, including the individual dynamics and group map dynamic analysis.

Open Map

1. Click this button to open the dialog window of teacher concept map

2. Select a Topic

NOTE:

If you don't see any topic listed in the dialog, Please click the Sign Out button and Sign-in again as Teacher/Instructor.

Open Map

Topic	Goalmap
General Topic	Venusのゴールマップ LM: 122 ✓
Introduction	
English	
General Zemi	
Venus: The Brightest Planet ✓	
ネットワーク 授業01	
sample lec	

3. Select a Teacher Map

The number show how many student concept maps are associated with the teacher map.

Open

Cancel

4. Click Open

The canvas will show the selected and opened teacher map.

Dynamic Analyzer: Student Concept Mapping Time

Comparing students concept map with teacher concept map
and see the similarity score.

*The list will show how long the
students compose each concept
map.*

NOTE:

*The students data are coming from
legit student concept mapping
activities. Student names have been
anonymized due to security and
privacy reasons.*

Name			Duration	
<input type="checkbox"/>	K:24	Student-81	F	11:29
<input checked="" type="checkbox"/>	K:24	Student-81	L	13:06
<input checked="" type="checkbox"/>	K:24	Student-84	F L	06:10
<input type="checkbox"/>	K:24	Student-87	F	03:47
<input type="checkbox"/>	K:24	Student-87		06:44
<input type="checkbox"/>	K:24	Student-87		09:08
<input checked="" type="checkbox"/>	K:24	Student-87	L	17:27
<input checked="" type="checkbox"/>	K:24	Student-91	F L	22:24
<input checked="" type="checkbox"/>	K:24	Student-99	F L	04:08
<input checked="" type="checkbox"/>	K:24	Student-102	F L	08:31
<input checked="" type="checkbox"/>	K:24	Student-103	F L	08:25
<input checked="" type="checkbox"/>	K:24	Student-104	F L	08:28
<input checked="" type="checkbox"/>	K:24	Student-105	F L	08:24
<input checked="" type="checkbox"/>	K:24	Student-106	F L	08:36

Tag labels:

F - The first saved concept map

L - The last saved concept map

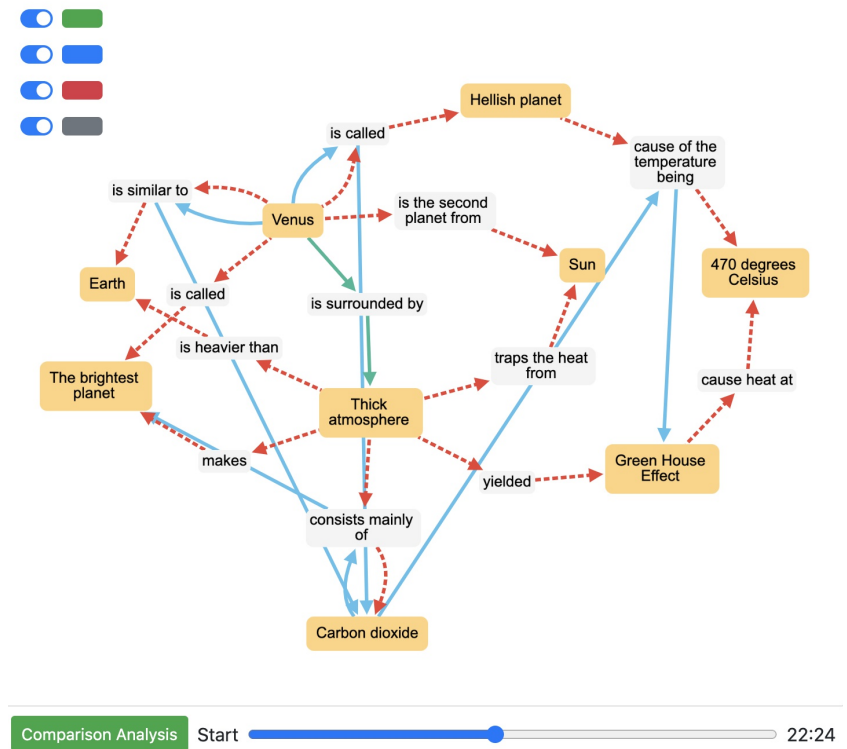
Dynamic Analyzer: Individual Concept Mapping Process

Visualizing how their concept mapping activity through time to compose a concept map of a given kit.

Click one of the student concept map from the list

Name	Duration
<input type="checkbox"/> K:24 Student-81	F 11:29
<input checked="" type="checkbox"/> K:24 Student-81	L 13:06
<input checked="" type="checkbox"/> K:24 Student-84	F L 06:10
<input type="checkbox"/> K:24 Student-87	F 03:47
<input type="checkbox"/> K:24 Student-87	06:44
<input type="checkbox"/> K:24 Student-87	09:08
<input checked="" type="checkbox"/> K:24 Student-87	L 17:27
<input checked="" type="checkbox"/> K:24 Student-91	F L 22:24
<input checked="" type="checkbox"/> K:24 Student-99	F L 04:08
<input checked="" type="checkbox"/> K:24 Student-102	F L 08:31
<input checked="" type="checkbox"/> K:24 Student-103	F L 08:25
<input checked="" type="checkbox"/> K:24 Student-104	F L 08:28
<input checked="" type="checkbox"/> K:24 Student-105	F L 08:24
<input checked="" type="checkbox"/> K:24 Student-106	F L 08:36

Disable/enable the visualization of a particular type of proposition when necessary using the switches.



Drag the slider left and right at the bottom right of the screen to see how they were progressing from time to time.

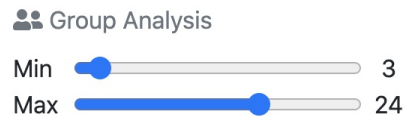
Dynamic Analyzer: Group Concept Mapping Process

Visualizing how their concept mapping activity through time to compose a concept map of a given kit.

Select several student concept maps from the list

Learnermap Reload	
Session	<input type="checkbox"/> First <input checked="" type="checkbox"/> Last Clear
Name	Duration
<input type="checkbox"/> K:24 Student-81	F 11:29
<input checked="" type="checkbox"/> K:24 Student-81	L 13:06
<input checked="" type="checkbox"/> K:24 Student-84	F L 06:10
<input type="checkbox"/> K:24 Student-87	F 03:47
<input type="checkbox"/> K:24 Student-87	06:44
<input type="checkbox"/> K:24 Student-87	09:08
<input checked="" type="checkbox"/> K:24 Student-87	L 17:27
<input checked="" type="checkbox"/> K:24 Student-91	F L 22:24
<input checked="" type="checkbox"/> K:24 Student-99	F L 04:08
<input checked="" type="checkbox"/> K:24 Student-102	F L 08:31
<input checked="" type="checkbox"/> K:24 Student-103	F L 08:25
<input checked="" type="checkbox"/> K:24 Student-104	F L 08:28
<input checked="" type="checkbox"/> K:24 Student-105	F L 08:24

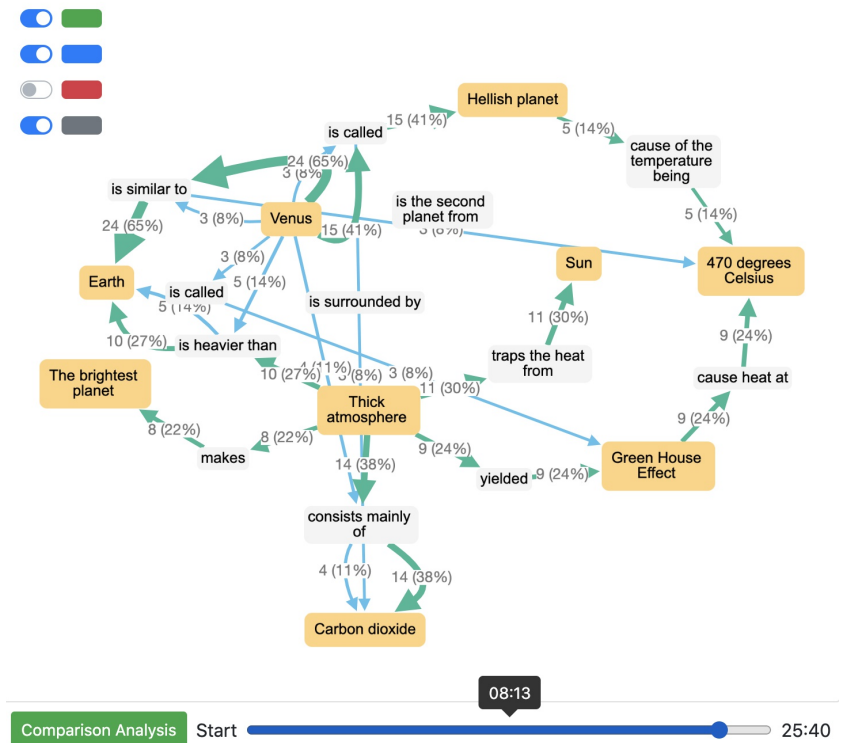
Adjust the visualization Min and Max limit



Disable/enable the visualization of a particular type of proposition when necessary using the switches.

Begin analysis by clicking the button below at lower left corner of the screen.

Group Analysis >



Drag the slider left and right at the bottom right of the screen to see how they were progressing from time to time.

The number shown denotes how many students are associated with each proposition analysis result at the selected time

Dynamic Analyzer: Visualizing Comparison Analysis to Time

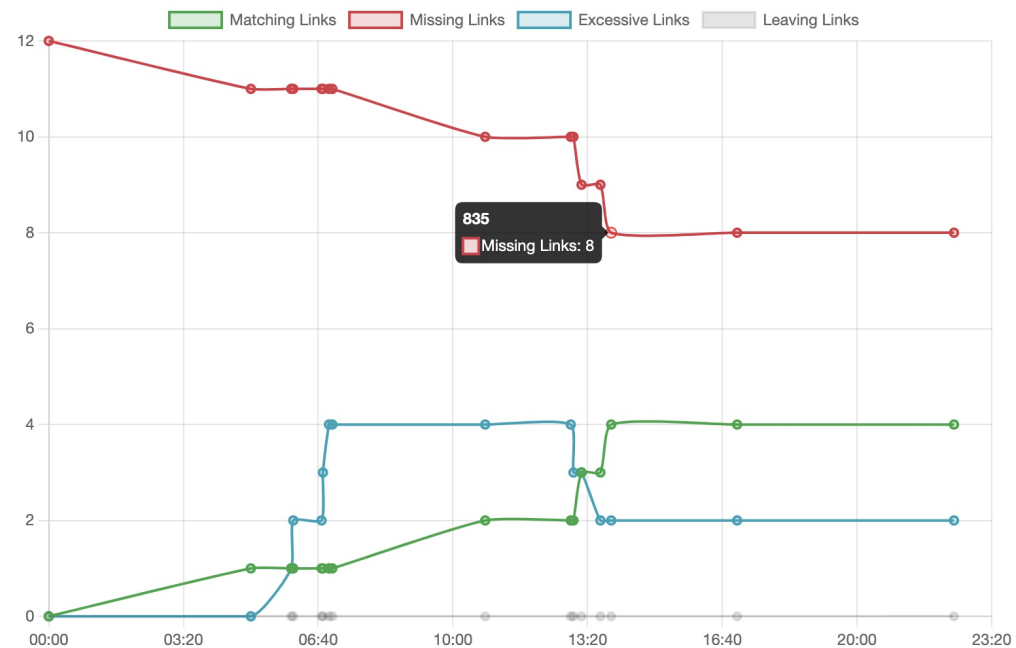
Visualizing how their concept map improve from time to time
in regards their teacher concept map.

*Click one of the student
concept map from the list*

Name	Duration
<input type="checkbox"/> K:24 Student-81	F 11:29
<input checked="" type="checkbox"/> K:24 Student-81	L 13:06
<input checked="" type="checkbox"/> K:24 Student-84	F L 06:10
<input type="checkbox"/> K:24 Student-87	F 03:47
<input type="checkbox"/> K:24 Student-87	06:44
<input type="checkbox"/> K:24 Student-87	09:08
<input checked="" type="checkbox"/> K:24 Student-87	L 17:27
<input checked="" type="checkbox"/> K:24 Student-91	F L 22:24
<input checked="" type="checkbox"/> K:24 Student-99	F L 04:08
<input checked="" type="checkbox"/> K:24 Student-102	F L 08:31
<input checked="" type="checkbox"/> K:24 Student-103	F L 08:25
<input checked="" type="checkbox"/> K:24 Student-104	F L 08:28
<input checked="" type="checkbox"/> K:24 Student-105	F L 08:24
<input checked="" type="checkbox"/> K:24 Student-106	F L 08:36

Comparison Analysis

*Click this button to open the
dialog window of comparison
analysis chart to time*





Close

Dynamic Analyzer: Proposition Focus Analysis

Finding students who focused on a particular set of proposition towards one or more concepts.

1. Select several student concept maps from the list

Learnermap

Reload

Session

☐ First

☒ Last

Clear

Name	Duration
<input type="checkbox"/> K:24 Student-81	F 11:29
<input checked="" type="checkbox"/> K:24 Student-81	L 13:06
<input checked="" type="checkbox"/> K:24 Student-84	F L 06:10
<input type="checkbox"/> K:24 Student-87	F 03:47
<input type="checkbox"/> K:24 Student-87	06:44
<input type="checkbox"/> K:24 Student-87	09:08
<input checked="" type="checkbox"/> K:24 Student-87	L 17:27
<input checked="" type="checkbox"/> K:24 Student-91	F L 22:24
<input checked="" type="checkbox"/> K:24 Student-99	F L 04:08
<input checked="" type="checkbox"/> K:24 Student-102	F L 08:31
<input checked="" type="checkbox"/> K:24 Student-103	F L 08:25
<input checked="" type="checkbox"/> K:24 Student-104	F L 08:28
<input checked="" type="checkbox"/> K:24 Student-105	F L 08:24

2. Click the Proposition Set Analysis button to show teacher map

Proposition Set Analysis >

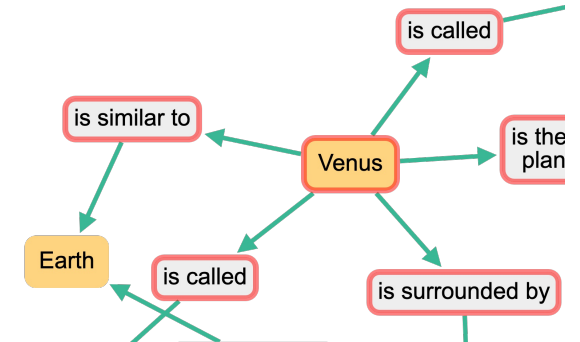
4. Click the Proposition Set Analysis button again to start the analysis.

Proposition Set Analysis >

A dialog analysis result will be shown that show list of students who have focused on selected propositions and how much the similarity of their concept mapping process to the selected propositions.

Students with similarity less than two propositions are not shown on the list.

3. Double click a concept node on canvas to highlight all propositions associated to the node for analysis.



Proposition Set Similarity Analysis

Student-81	80.00%
Student-84	80.00%
Student-87	40.00%
Student-91	40.00%
Student-102	60.00%
Student-103	80.00%
Student-104	60.00%
Student-107	80.00%
Student-108	80.00%
Student-110	40.00%

Close