

Your use of WEAVE

Please tick which of the following uses you have made of WEAVE (as many as apply)

1. ☒ I viewed worked examples myself using the pupil interface
2. ☒ I looked at the teacher interface
3. ☒ I used WEAVE in one or more classes with pupils
4. ☒ I used WEAVE with pupils and then used the teacher interface to explore their progress

Usability

The following is the standard SUS usability survey. When answering these, note that each question has space for two answers, one for the teacher interface and one for the pupil interface. If you didn't use one or other interface, just leave that part unanswered.

1. I think that I would like to use this system frequently

Pupil Interface

Strongly disagree			<input checked="" type="checkbox"/>	Strongly agree
1	2	3	4	5

Teacher Interface

Strongly disagree	<input checked="" type="checkbox"/>			Strongly agree
1	2	3	4	5

The main option screen for the teacher interface is ok however the way that the statistics section is organised makes it difficult to analyse the data and explore trends and patterns.

2. I found the system unnecessarily complex

Pupil Interface

Strongly disagree	<input checked="" type="checkbox"/>			Strongly agree
1	2	3	4	5

Teacher Interface

Strongly disagree			✓	Strongly agree
1	2	3	4	

The way in which the statistics section was organised made it more difficult to analyse. I would have liked the option to export all of the class data into excel so I could do some more detailed analysis. The pupil id's was ok but when I copied and pasted the table into excel it didn't work unless I selected paste data only.

3. I thought the system was easy to use

Pupil Interface

Strongly disagree			✓	Strongly agree
1	2	3	4	5

Teacher Interface

Strongly disagree		✓		Strongly agree
1	2	3	4	

There was no easy way to move from the teacher interface back to the pupil interface without url hacking. When doing a demonstration being able to move between the two would have been useful.

4. I think that I would need the support of a technical person to be able to use this system

Pupil Interface

Strongly disagree					Strongly agree
✓					
1	2	3	4	5	

Teacher Interface

Strongly disagree		✓		Strongly agree
1	2	3	4	

Appears as if you can add additional students but you have to delete the whole group which could cause problems if someone accidentally adds too many people to a group.

5. I found the various functions in this system were well integrated

Pupil Interface

Strongly disagree Strongly agree

			✓	
1	2	3	4	5

Teacher Interface

Strongly disagree				Strongly agree
✓				
1	2	3	4	

The teacher interface needed a better level of task analysis as a number of potential difficulties could arise in certain situations. I can register a new group but it also appears as if I can register a group with the same name- there is no visual feedback to say that group already exists. Will it stop me from doing that or will it overwrite the existing group's data?

I can update the number of students in an existing group but I can't delete particular users from a group. Also I can view the group list but I have to click back on the browser in order to be able to change to a different group.

6. I thought there was too much inconsistency in this system

Pupil Interface

Strongly disagree				Strongly agree
	✓			
1	2	3	4	5

Teacher Interface

Strongly disagree				Strongly agree
			✓	
1	2	3	4	

7. I would imagine that most people would learn to use this system very quickly

Pupil Interface

Strongly disagree				Strongly agree
				✓
1	2	3	4	5

Teacher Interface

Strongly disagree				Strongly agree
			✓	
1	2	3	4	

There are a limited number of options so it isn't difficult to learn how to use it.

8. I found the system very cumbersome to use

Pupil Interface

Strongly disagree				Strongly agree
✓				
1	2	3	4	5

Teacher Interface

Strongly disagree				Strongly agree
			✓	
1	2	3	4	

9. I felt very confident using the system

Pupil Interface

Strongly disagree				Strongly agree
				✓
1	2	3	4	5

Teacher Interface

Strongly disagree				Strongly agree
			✓	
1	2	3	4	

10. I needed to learn a lot of things before I could get going with this system

Pupil Interface

Strongly disagree				Strongly agree
✓				
1	2	3	4	5

Teacher Interface

Strongly disagree					Strongly agree
1	2	3	✓ 4		

Please comment on aspects of the **teacher** interface that didn't work properly or could be improved.

Register/Update/Delete Section

Issues around updating or deleting an existing group which could cause problems. I should be able add or remove new ids to a particular group or add or remove a whole set.

View group

I would like to be able to open the list up in Excel so that I can quickly record names and save a local copy. Copying and pasting from the browser into Word is fine however Excel is a bit fiddly.

I should be able to enter first names and last names against a student id in WEAVE. These could be encrypted on the server using my password so that the personally identifiable data was only accessible by the teacher who created that set.

View Statistics

I should be able to export a nicely organised set of data for the whole class in excel or csv format.

Selecting an example

All examples should not be listed instead just the examples where there is data for this particular group should be listed.

When I select a new view it blanks the worked example and I need to reselect the example again. I should be able to change views without having to reselect the same example each time.

At the moment all of the lists are active but you should have to select a year first then the group should be active then worked example and finally the type of data you would like to view. This would mean each list is activated only after a selection has been made in the previous one. The order of the lists would have to be academic year, group, worked example then data view and not data view, worked example which is what it currently is.

General Graph Improvements

I'd like different coloured bars to highlight pupils who are well above the average response time or well below for a particular step as well as the colour of their id. I'd also like answer graphs to show the correct answer choice in green.

Class Steps

I'd like the explanation text for the step displayed at the top of the graph as well as the step number.

Class Summary

The data is useful however I would like the total time to be displayed in minutes and seconds if it's above 59 seconds. I'd also like to be able to click on a pupil id or their total time to get a break down of how long they took for each step. It would be useful to be able to sort this table in different orders

such as by

Average Time

Average time is ok although the time labels and number of steps overlap too much and possibly should just be displayed when you hover over a node for more information.

Please comment on aspects of the **pupil** interface that didn't work properly or could be improved.

Horizontal scroll bars appeared if the name of the worked example was longer than the width of the drop down list instead of it being resized.

Application should be renamed to Example and each example should list the number of languages it's available in instead of having the language as part of the name.

I should be able to use the pupil interface as a teacher without having to use a pupil id. Anything I do during a demonstration would not be recorded and would not appear against a particular class set.

For a particular group I would like to be able to pick particular worked examples and the order in which they should be listed for pupils in that group so that they only see those examples and not every available example.

Fitness for teaching and learning

If there were more worked examples in WEAVE would you use it in your classes regularly? Please explain your answer.

Yes I would use WEAVE with my Higher and Advanced Higher pupils however the placement on the step text may be better as audio or possibly should be above the example and not below the two other panes. Experimental data would need to be gathered to see which arrangement was better.

Presentation of pupils' usage data

How easy was it to understand what information did the different graphs/tables show?

Very difficult

Very easy

	✓			
1	2	3	4	5

How useful did you find the graphs/tables in understanding how your pupils worked with the examples?

Not useful at all

Very useful

	✓			
1	2	3	4	5

Is there any other information that the system does not provide but would help you to better understand the difficulties of your pupils?

The way individual graphs and data screens are organised and presented would need to be refined or in some cases redesigned to get maximum benefit from this section of weave.

Deploying WEAVE in schools

How easy do you think would be to deploy WEAVE in your school?

Very difficult					Very easy
1	2	3	4	✓	5

Logistics

Are there any logistical problems with using WEAVE in your classroom? Possible issues are: website blocking, browser incompatibilities, machine limitations (speed, screen size etc.)

There are some resizing glitches where if a pupil zooms in to the page to make the text bigger the panes end up overlapping or leaving lines over the other pane making the text more difficult to see.

On smaller screen resolutions WEAVE might be difficult to use.

Other comments

Do you have any other comments to make about the system? For example, most of these questions ask about problems... in addition, what do you like about the system?!

The potential of the system is really exciting and I hope that further work is done to develop it. Some of the features are really neat however several rounds of paper prototyping with different teachers need to be conducted in order to create a better experience in the teacher interface section.

Individually there is nothing wrong with some of the data views but in practice making use of this data to improve learning and teaching would be difficult. This is something that many commercial systems don't necessarily get right either in version 1.