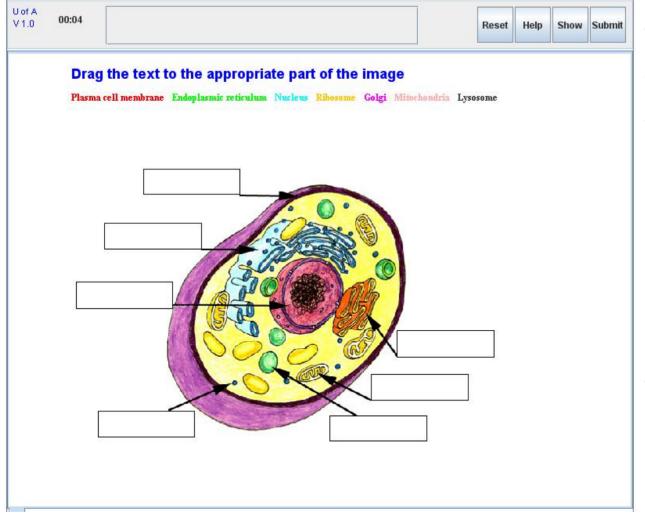


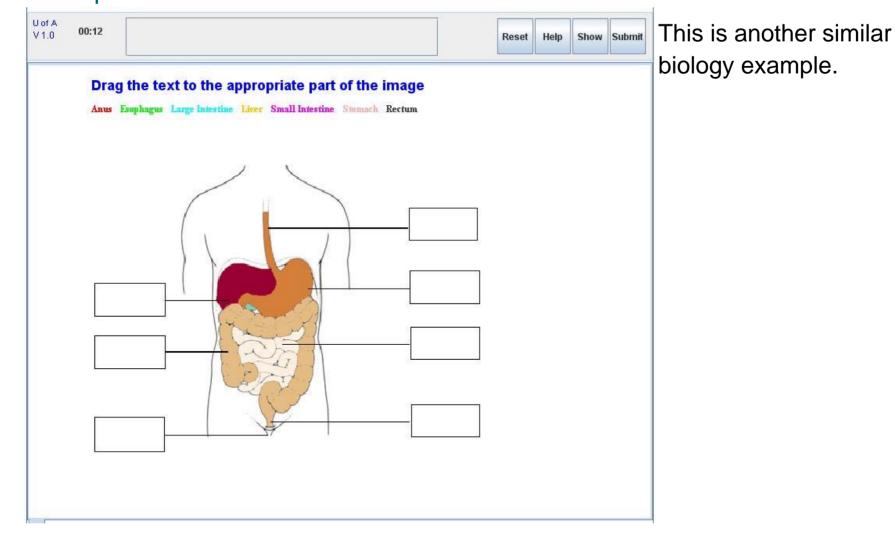
This document contains new Item types and examples of our CROME project. A brief description is also included.

### **Biology** Example 1



This item type deals with dragging ordinary texts to label parts of an image. In this example, the student has to use the mouse to drag the correct names to label the corresponding parts of the image.

### **Biology** Example 2



### **Biology** Example 3

U of A V 1.0	00:07		Reset	Help	Show	Submit
		g the text to the appropriate part of the image m Metatarsals Patella Ribs Tibia Vertebra				

More biology example.

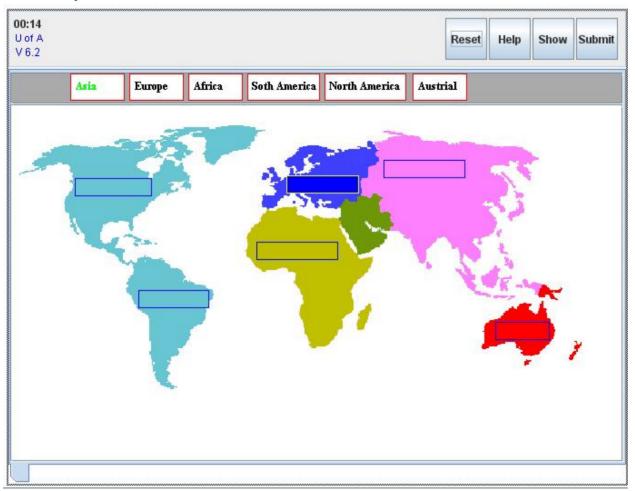
### **Geography** Example 1

## U of A 00:06 V10 Reset Help Show Submit Drag the text to the appropriate part of the image Africa Asia Australia Europe North America South America

This example tests the students knowledge geographic location where the student has to use the mouse to drag the various continent names to match the right location on the map.

## Geography

#### Example 2



The same item type, different format. The student uses the mouse to drag the correct continent names to the appropriate areas in the image.

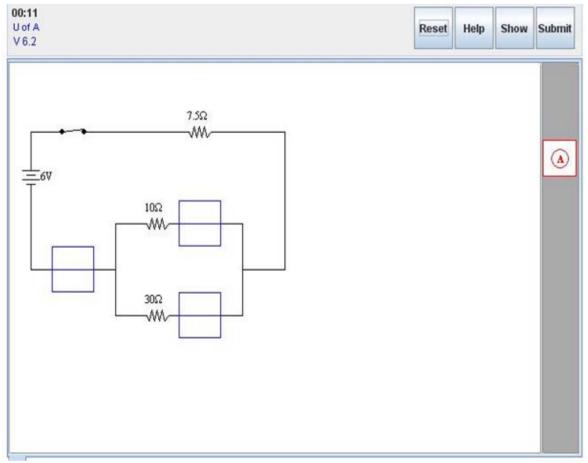
## Geography

#### Example 3

U of A V 1.0	00:06						Rese	t Help	Show	Submit
		ext to the Quebec Mar				an Yukon				
			Land - + 1	J. J.	12 1-2 2-2 -2-	and the for the for	A CAL			
		[								

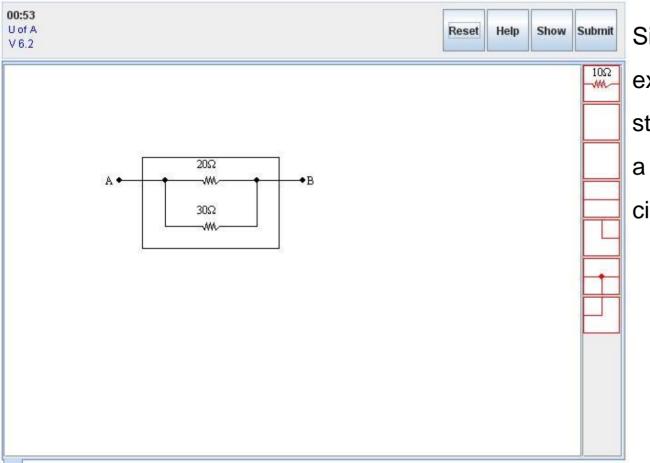
Another geography example which tests how well the student knows about the provinces of Canada and how they are located on the map of Canada.

### **Physics** Example 1



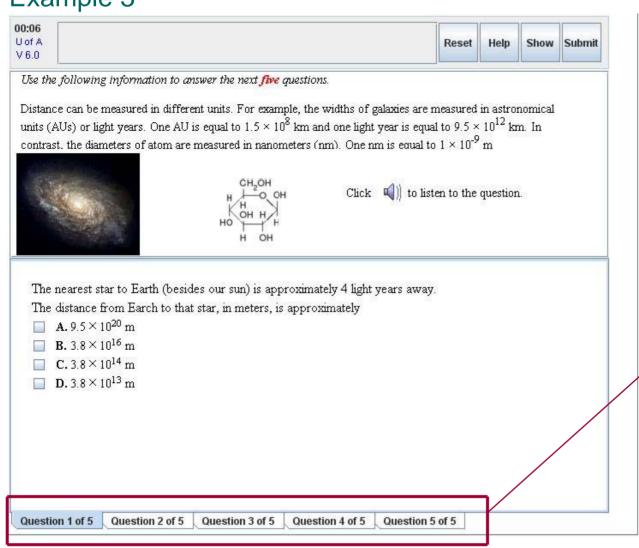
This example test the student's ability on electrical circuits. In this physics example, the student has to use the mouse to drag the Ammeter symbol to the place where the electrical current is 0.4A

### **Physics** Example 2



Similar drag and drop example but here the student has to identify a different electrical circuit symbol.

### **Physics** Example 3

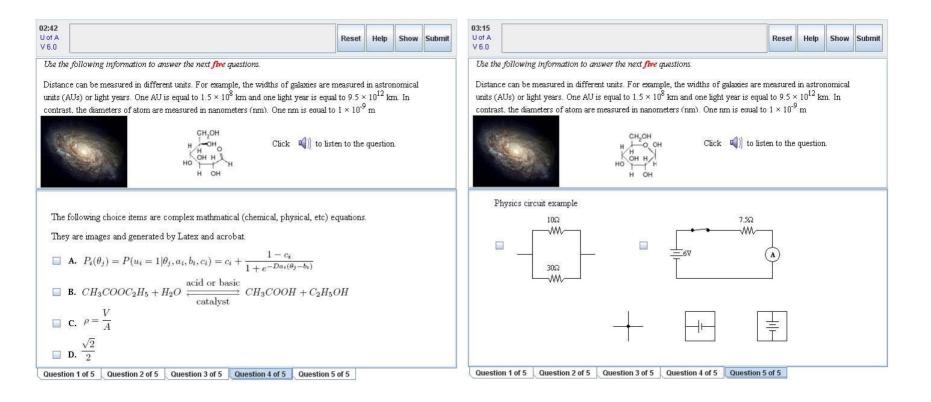


This is a multiple choice item type.

This example contains five questions. The student has to use the giving information to answer all five questions.

At the bottom of the question window, the student can click on different questions.

### **Physics** Example 3 continued



01:26	117,123:160,163			1		
U of A	Mark: 10	1	Reset	Help	Show	Sub
V 6.0						
	is is too absurd," she said.					
What is						
	ave told you that they are getting worrie way from Honolulu, I mean. Well, they'r				been able	e to tear
	way from Honolulu, 1 mean. Well, they f man?" He lifted his bushy eyebrows.	e senomig a ponceman foi	i iiie.			
3						

This item type tests the student's ability to find words, sentences or even paragraphs in passage by using the mouse to highlight them. In this particular example,

the student is asked to highlight two words "Because" and "away".

00:09	Please highlight						
U of A				Reset	Help	Show	Sub
V 6.0						Contractor	
eeks' vacati me one to o ohn Quincy iss Minerva prove of yo	nts to that. It's not on from the bankin, come home with, m Winterslip? That w nodded. <u>"You neve</u> ou." Dan Winterslip bristl	g house, and ha ny dear,' says Gr vould be Grace's ar met him, did y	s decided to make race. Isn't she sub s son."	the trip out he tle?"	re. 'It v	vill give y	704

Another English example but this time the student is asked to identify a sentence. The student has to use the mouse to click the required sentence.

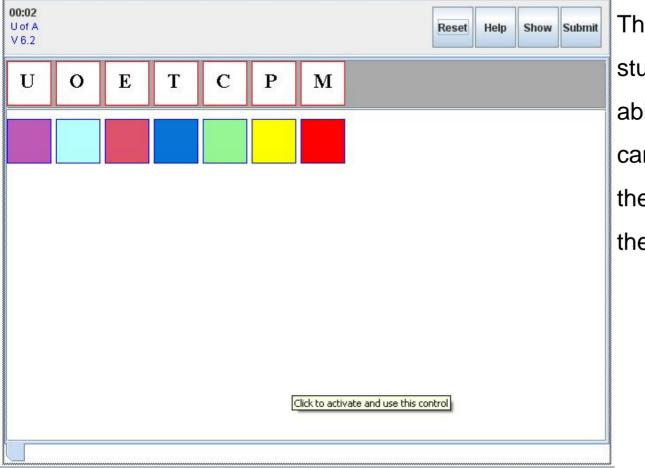
Question: Please hightlight the English word "MAIL".								
00:09		2						
U of A	Reset	Help	Show	Submit				
V 6.0			in the second se					

A	м	Е	R	I	С
R	w	A	т	Е	R
E	N	С	I	s	S
A	С	н	I	L	$\mathbf{L}$

This is a cross-word puzzle where the student is asked to identify a word in a cross-word manner. In this example, the student is asked to highlight the English word "MAIL".

V1.0 00:05	1					Reset	Help	Show	s
Rearrange the	e following words	given in the se	ntence below so t	hat the sentence	e becomes gram	imatically c	orrect b	у	
ragging and c	lropping each wor	d at their corre	ct positions in the	e space provided	l below.				
Peter for	tennis play	red five y	rears when	he school	was at				
er played	tennis f	for five	years	when he	was	at scl	hool		

This English example asks the student to rearrange English sentences so that they become grammatically correct. The rearrangement is done by dragging and dropping the text given on the screen to their appropriate positions.



This example tests the student's spelling abilities. The student can drag the letters to the colorful boxes so they form a word.

#### Example 1

6.04 00:04	Reset Help SI
Drag the words on the left to match the la	bels on the right of the screen
England	Bishkek
China	
Dominican Republic	Baghdad
Argentina	Accra
Ghana	London
Finland	
Iraq	Budapest
Botswana	Buenos Aires
India	New Delhi
Hungary	
Israel	Helsinki
Kyrgyzstan	Gaborone
	Santo Domingo
	Beijing
	Jerusalem

This is a social example which tests the student's ability on countries and their capital cities. The student has to use the mouse to drag the country name from the left side to the corresponding box in the middle to match the corresponding city.

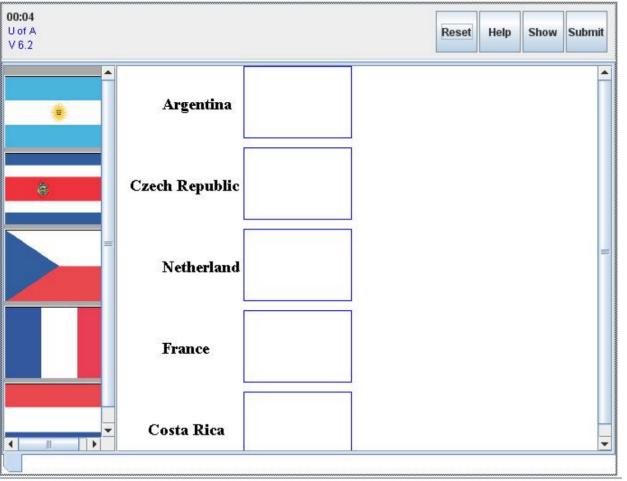
Submit

#### Example 2

U of A V 1.0 00:03					Reset	Help	Show	Submit
		at 2000 00 0	- 52 - 32	** ***				
that they fall in	the order of these cou	tional flags of some countri ntries: Liberia, France, Cam				1973 PACINTER PARTY 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 -		
Africa, Colombi	ia, Netherlands, Argenti	na, Pakistan, Haiti						
(*						ŵ		
						- Ale		
						[	Click to ac	ctivate and u
*								
	-							

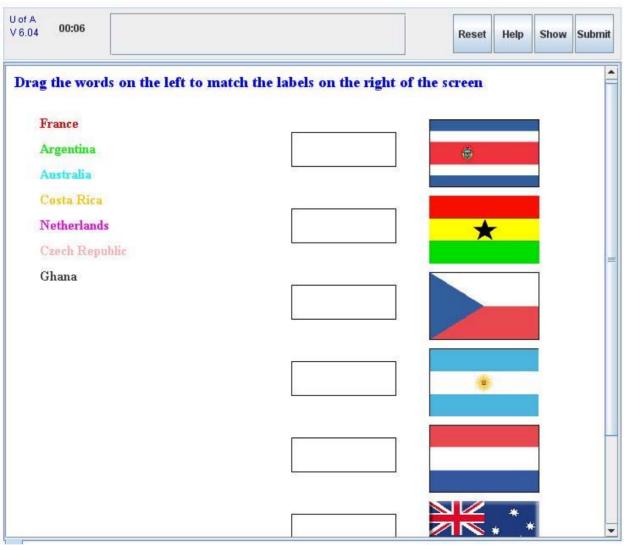
nother social example. his example asks the udent to rearrange the nages of these national ags such that they fall the certain order by agging and drop the nages using the left ouse.

#### Example 3



This example is testing the same knowledge as the previous example, but this time the student is presented with a different arrangement on the screen

#### Example 4



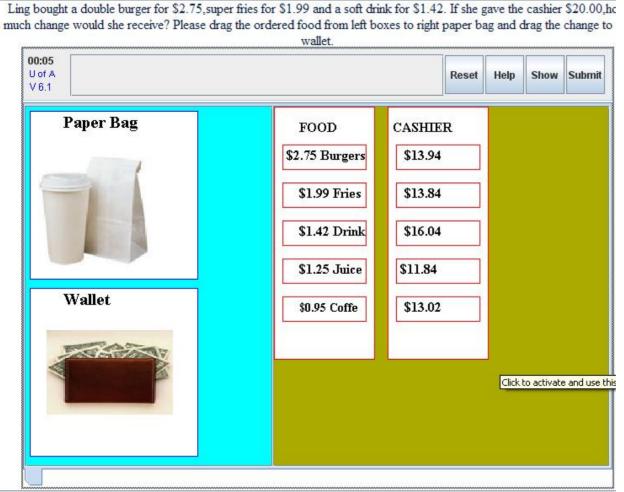
Another item type to test the same social knowledge.

# Social Example 5



A social example which tests the student's knowledge on currency. This example is asking the student to drag 3 food items to the shopping cart on the left side with the total charge being equal to a certain mount.

#### Example 6



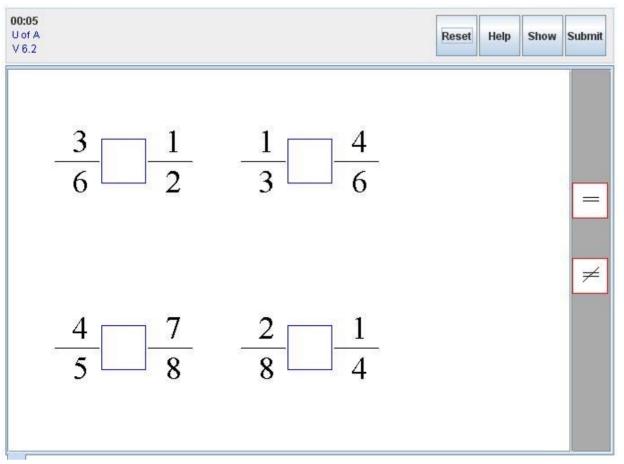
This example is testing the same knowledge as the previous example, but this time the student has to drag the food and a mount of money to the correct boxes on the left.

#### Example 1

5+6=11	4-2=2	5-1=4	9+4=13	1+5=6	
12-7=5	3+7=10	3-2=1	14-9=5	2+6=8	
Addition			Subs	straction	

This mathematics example is designed to test the student's ability to recognize arithmetic operations. In this example the student has to drag the various equations to the right arithmetic operation box

#### Example 2



This math example can test how well the student understands of fraction.

#### Example 3

0 00:04			Reset Hel	o Show	Submit
75	75	s. How much interest must she e	22	10743	
		? Using X as the amount she nee			
0424 834370		< by dragging and dropping the it	tems in the correct order	in the	
space provided below.					
550 + X >	400 3 + 600 *				
50   A -	400 5 1 000				

Another math example.

Simply use the mouse to rearrange the numbers and the operation signs to make a right inequality based on the question asked.

#### Example 4

2:03 Jof A / 6.0				Res	et Help	Show	Submit
Use the following inf	°ormation to ar	iswer the next <mark>five</mark>	questions.	# <u>*</u> *			
Distance can be meas units (AUs) or light y contrast. the diameter	ears. One AU i	is equal to 1.5 × 10	) <sup>8</sup> km and one light	year is equal to 9	$5 \times 10^{12}$ 1		
		HHO	н сно V Click он	v¶)) to listen to	he questic	n.	
Expressed in scien What is the value		8778 - 87		er than an AU.			
Answer:							
Question 1 of 5	lestion 2 of 5	Question 3 of 5	Question 4 of 5	Question 5 of 5			

In this example, the student has to type the correct answer in the answer box.

#### Example 5

b:03 of A 6.0		Reset	Help	Show	Submit
Use the following information to answer the next question. The five islands below are given with heir geographical areas in million square kilometres. Borneo: 0.73 Madagascar: 0.59 Honshu: 0.23 Sumatra: 0.43 Baffin: 0.51 Click () to listen to the question.			>		
The area of the second largest island is million Answer:	aquare kilometres.				

Similar to the previous example.

#### Example 6

00:13 U of A V 6.0		Reset	Help	Show	Submit	Т
Use the following information to answer the next two questions. If Janet's age (j) is known, Nadir's age (n) can be determined using the equation n=2j-5.	Click $\mathbf{I}$ to listen to the question.					n T tl
If Nadir is 37 years old, how old is Janet?						C
<ul> <li>A.21</li> <li>B.16</li> <li>C.32</li> <li>D.69</li> </ul>						q

This is a multiple choice math example.

There is a audio file so the student can also choose to listen to the question.

#### Example 7



A multiple choice math example contains audio file.

#### Example 8

00:05 U of A V 6.0		Reset	Help	Show	Submit
It	is common in construction to allow 4 m of vertical space for each story puilding starts at 1 m above street level, how many metres above street le				1
	Click ()	to listen to the	question	1.	
	A. 57 m B. 60 m C. 56 m D. 61 m				

#### More math example.