Habits of Mind



Applying Past Knowledge To New Situations

Students' Handouts

Production of BBSS Applying Past Knowledge To New Situations



Applying Past knowledge to New Situation

Remember, Transfer and Apply I use what I already know

Intelligent humans learn from experience. When faced with a new and confusing problem, they will recall and apply experiences from their past. They can often be heard to say, "This reminds me of..." or "This is just like the time when I..." They explain what they are doing now with reference to their experiences. They call upon their store of knowledge and experience as sources of data to support, theories to explain, or processes to solve each new challenge. They are able to abstract meaning from one experience, carry it forth, and apply it in a new situation.

Teachers are often dismayed when they invite students to recall how they solved a similar problem previously and students don't remember. It's as if they have never heard of it before, even though they had just worked with the same type of problem just recently.

"Episodic grasp of reality"

Too often, students begin each new task as if they were doing it for the first time. It seems each experience has no relationship to what has come before or what comes after, and that each event in life is separate and discrete, with no connections to what may have come before or with no relation to what follows. Their learning is so isolated that they seem unable to draw forth from one event and apply it in another situation.

Relevant learning involves making connections. It means drawing on prior experience and past knowledge to understand and see the relevance of new concepts. This enhances students' success in the following ways:

- It helps students build on a body of knowledge rather than just accumulate information.
- It helps students learn how to apply concepts from one course or level to another and from school to work.
- It transforms rote learning to relevant learning.
- It stimulates critical thinking skills.
- It makes education meaningful by relating concepts to real life.

Model Profession.



The archaeologist exploring an ancient ruin needs to use their background knowledge to piece together history. Even though they may know what an ancient fossil or building is supposed to look like, each discovery is a new adventure for them as they uncover the traces of the past.

Quotations for the habit:

Accessing prior knowledge; transferring knowledge beyond the situation in which it was learned. Use what you learn

"Look back to learn how to look forward."

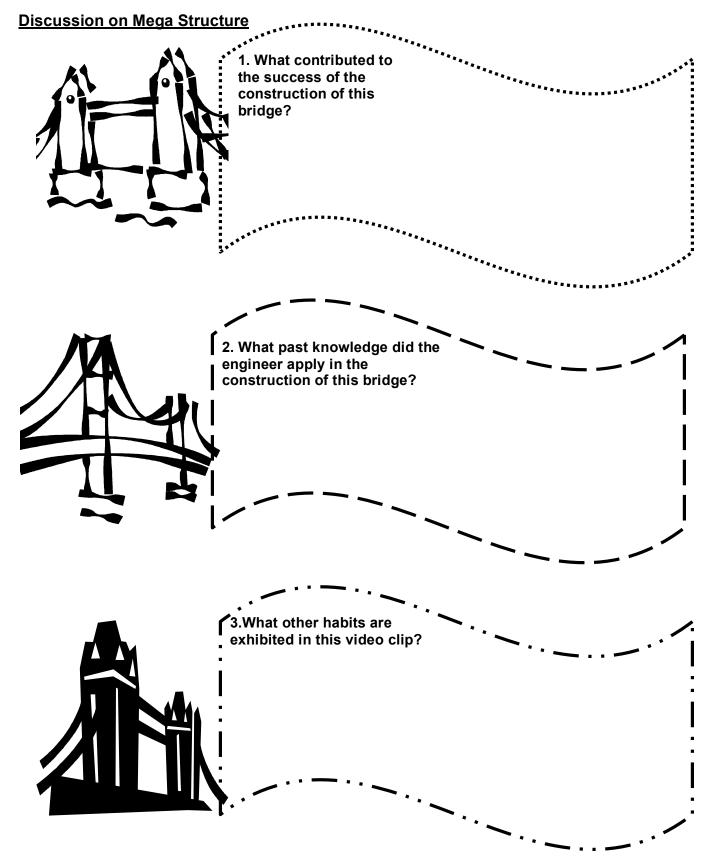
Joe Girard

"Life must be understood backwards. But it must be lived forward."

Soren Kierkegaard

"Life is divided into three terms—that which was, which is, and which will be. Let us learn from the past to profit by the present, and from the present to live better in the future."

Wordsworth



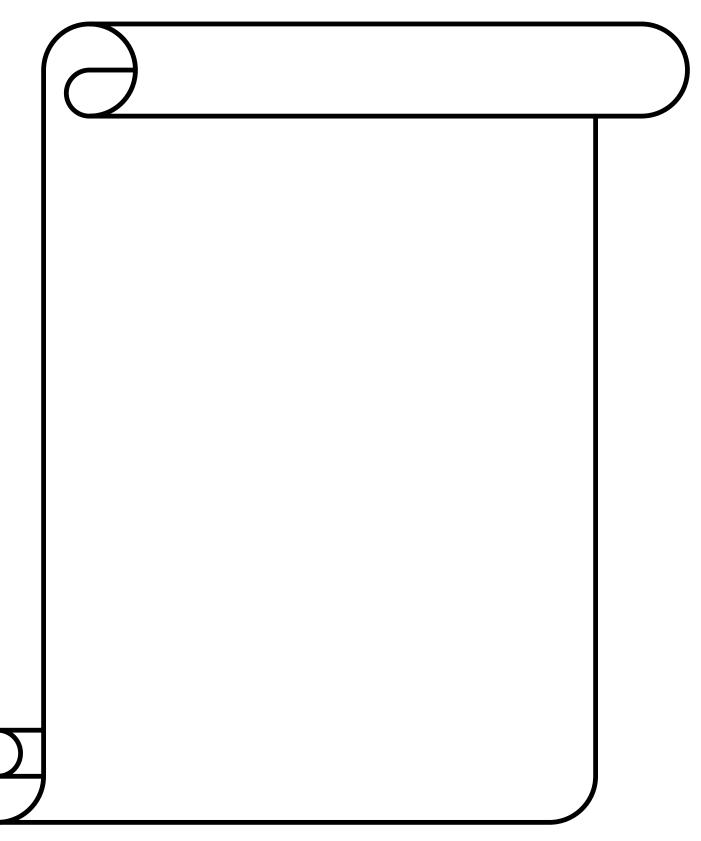
Habits of Mind: Applying Past Knowledge to New Situations

Production of BBSS Applying Past Knowledge To New Situations



Group Activity 1 :

Design a logo for the habit 'Applying Past Knowledge to New Situations'



Group Activity 2: Choose any one of the following tasks to work on.

Option 1:					
\blacktriangleright	Carry out a survey/research to find out any one of the following:				
	1 (a) The BMI (Body Mass Index) of your classmates.				
	 1 (b) (i) How frequently do your classmates eat fast food within a period of one month? (ii) What restaurants do they patronise? What type of fast food do they eat? 				
	1 (c) What is The Food Pyramid and what constitutes a balanced diet?				
4	 Prepare an oral presentation to present the following: a graphical representation of your findings, your recommendation for a more healthy life-style, how you have applied this habit in your process of completing the task. 				
>	1. BMI Calculator http://www.nhlbisupport.com/bmi/bmicalc.htm				
	 Food Pyramid http://www.nal.usda.gov/fnic/ 				
Option 2:					
À	Choose one of the following stories to work on: • Three Little Pigs • Little Red Riding Hood • Cinderella • Snow White & the Seven Dwarfs • Sleeping Beauty				
\blacktriangleright	Rewrite the story, using the same characters but with a different plot				
>	Present the story in Pictorial Form eg. Cartoon Sequence or Role Play the characters you have newly created				

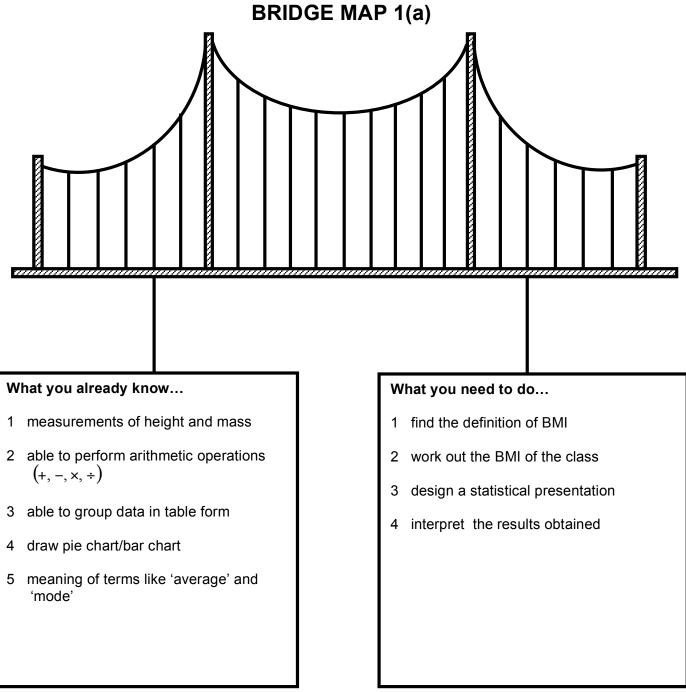
Option 3:

- Plan a program to orientate the secondary one students for their first day in school. The following questions may help in your planning. On your first day in school
 - How did you feel?
 - What were you afraid of or worried about?
 - What would you like to know about the school?
 - What kind of help were you looking for then?
- Present your Sec 1 Orientation Program.
- > Explain the connections between your past experience and the program proposed.

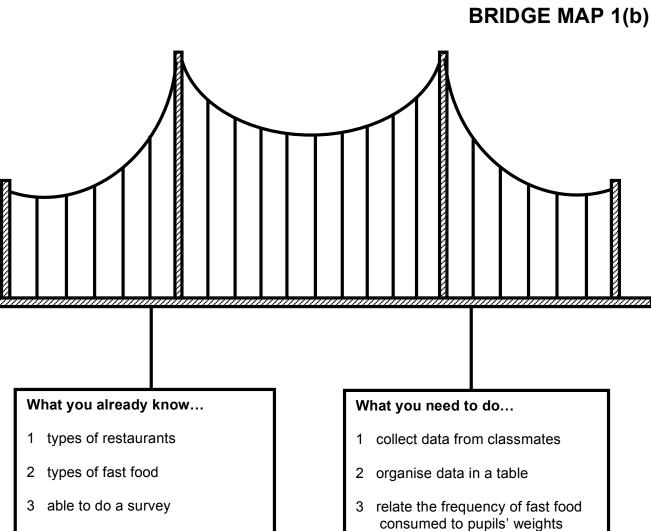
Option 4:

- > Choose one of the following to work on:
 - (a) compose a script for a pop show
 - (b) translate the lyrics of a song from one language to another.
 - (c) convert a pop song to a rap.
- Give a presentation to class.

2NA/2NT



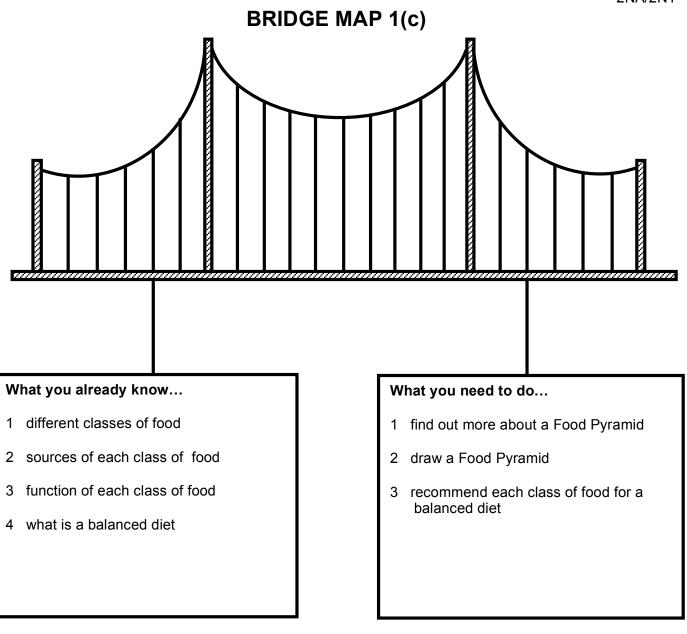
2NA/2NT



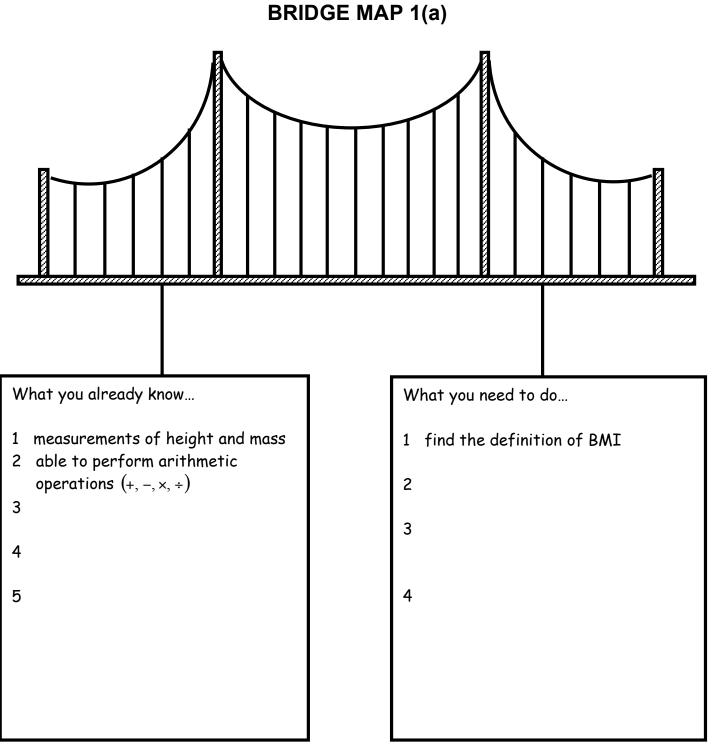
- 4 know how to draw a table
- 5 knowledge of bar chart, piechart, average and mode

4 present data in an interesting manner

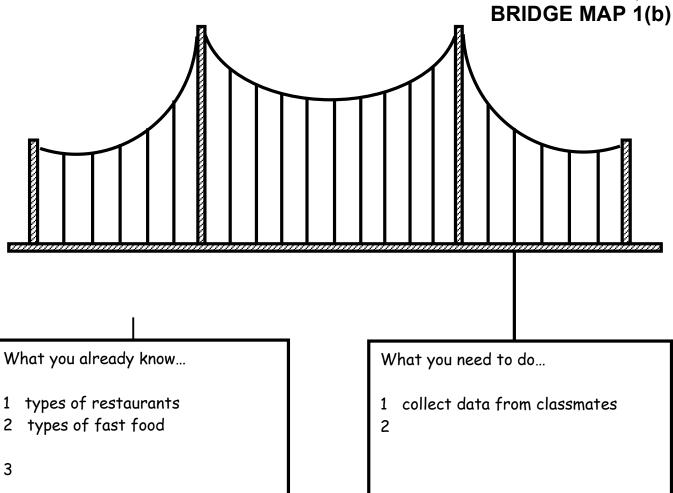
2NA/2NT



2 Express

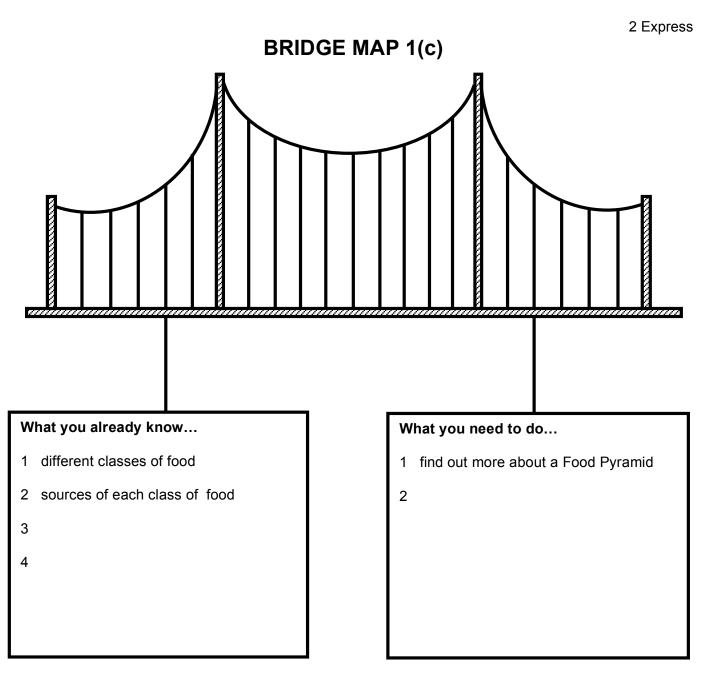


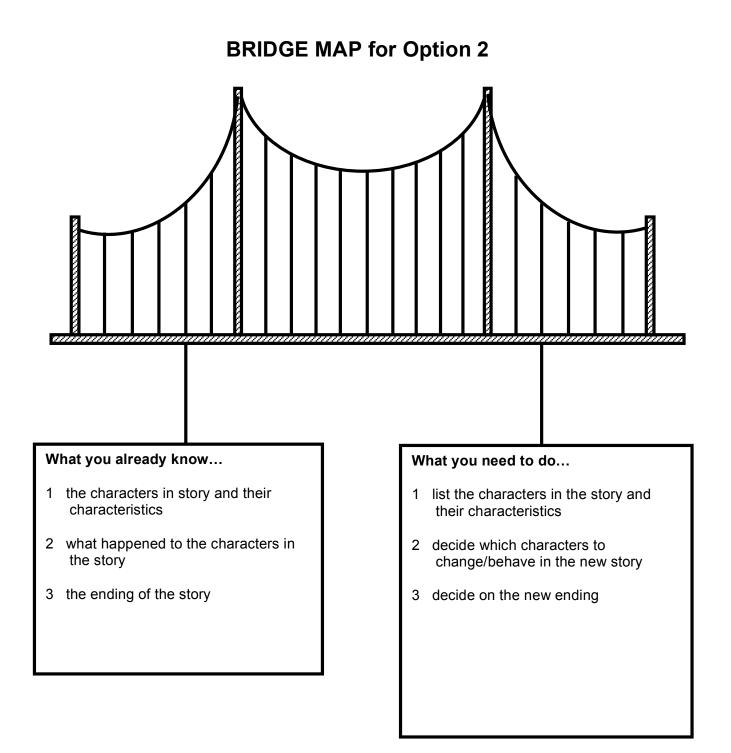
2 Express



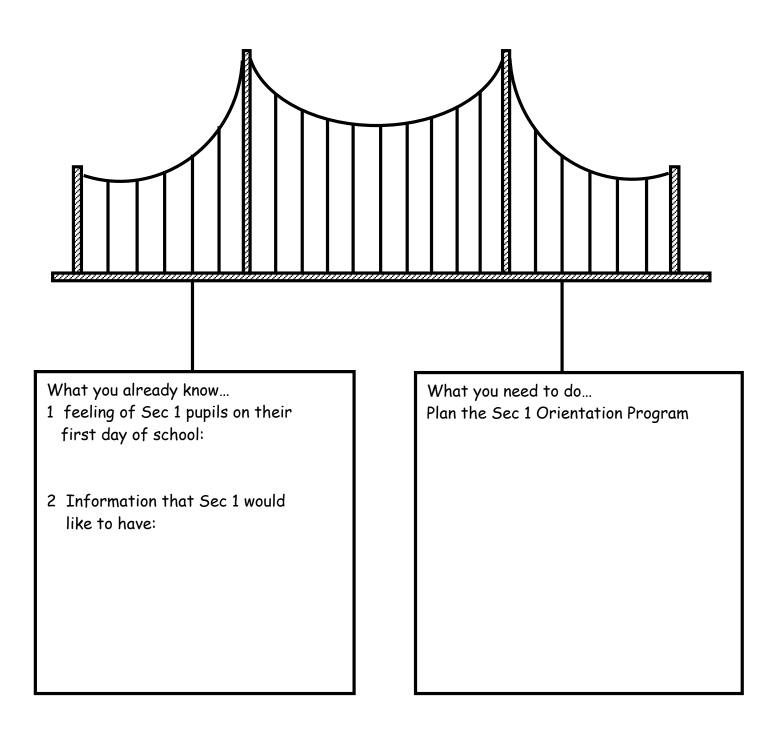
- 1 types of restaurants
- types of fast food 2

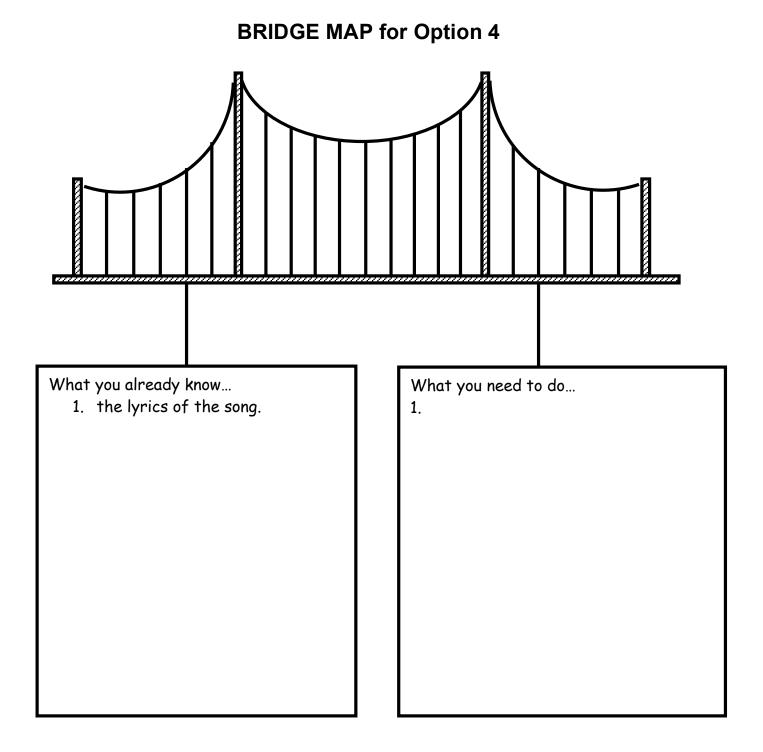
3





BRIDGE MAP for Option 3





My Reflections and Thoughts



SEC 2NA/NT

APPLYING PAST KNOWLEDGE TO NEW SITUATIONS

How Are You Doing?

1	You are invited to your friend's house and you do not know how to go. What would you	do?	
	A. Take a cab there.		
	B. Check the street directory and plan which bus to take.		
	C. Forget it - don't go.	()
2	You are given a new MD2 player for your birthday. You really have no idea how to use i	:+	
2	You are given a new MP3 player for your birthday. You really have no idea how to use i What would you do?	ίι.	
	A. What is a MP3 player?		
	B. Ask my friend who also has a MP3 player.		
	C. Read the instruction manual and try to understand it.	()
0		1	
3	You come across a Mathematics problem solving question in the exam that you do not to do. So you	know	/ now
	A. try to recall the formula you need and use it to solve the question.		
	B. write some irrelevant stuff just to make your teacher happy.		
	C. give up on the question and sleep.	()
	U and U an	,	,
4	You are working part time in a fast-food restaurant. One day, a customer wants to		
	be served first, even though he is last in the long queue. You would		
	A. run to your supervisor for help.		
	B. try to use the tips your supervisor has taught you.	,	,
	C. quit from this restaurant straight away and apply for another job.	()
5	You are asked to organize a camp for your CCA and you have no idea how to start. So	you	
	A. try to remember how your last camp was run and make improvements.		
	B. will find other members to help run the show.	,	
	C. just do it, don't care if it's well-run or not.	()
6	Your parents are away for a long holiday and you are alone at home with your pet fish.		
	You have run out of clothes to wear, so you need to do your own laundry.		
	But, alas, you do not know how to use the washing machine. What would you do?		
	A. Reuse the dirty clothes.		
	B. Beg your neighbour to wash for you.C. Think very hard the steps your mother takes to operate the machine.	()
		()
7	When you watch TV serials, what do you normally do?		
	A. Try to predict the ending based on previous serials you have seen.		
	B. Discuss with friends and bet on the ending.		
	C. Who cares about the ending? It's only make-believe.	()
8 How often do you recall your previous experience and apply it to a new situation?			
-	A. Most of the time.		
	B. Often.		
	C. Once in a while. (You never realize you can do that)	()

Scoring:	Qn 1, 4:	Option A – score 1 B – score 2 C – score 0
	Qn 2, 6:	Option A – score 0 B – score 1 C – score 2
	Qn 3, 5 7, 8:	Option A – score 2 B – score 1 C – score 0

If your score is:

- **12 16 :** Congratulations! You are really good at using this habit (though you may not be aware of it). This is an asset for you in life. You are able to learn fast as you apply a vast store of experience and knowledge to new situations.
- **7 11 ;** You can be a little more independent in tapping your own store of knowledge, rather than relying on those around you.
- **0 6 :** You are, by nature, a quitter. Will there be any success in life if you give up so easily, before you even get started?