

PBL

Framework

The PBL Framework: IBLDP

1. Case **I**ntroduction - Article/Video
2. **B**ox Chart - Interact with Reading
3. **L**earning Issues – Research
4. Engineering **D**esign Process
5. **P**resentation

Box chart descriptions

Facts Actual events or statements that can be taken from the case that are content related	Questions Things that spark your curiosity, that might not be answered through research
Hypotheses Predictions about the case	Learning Issues Topics that can be researched that will extend learning and assist in solving the problem

Another way to think about the box chart

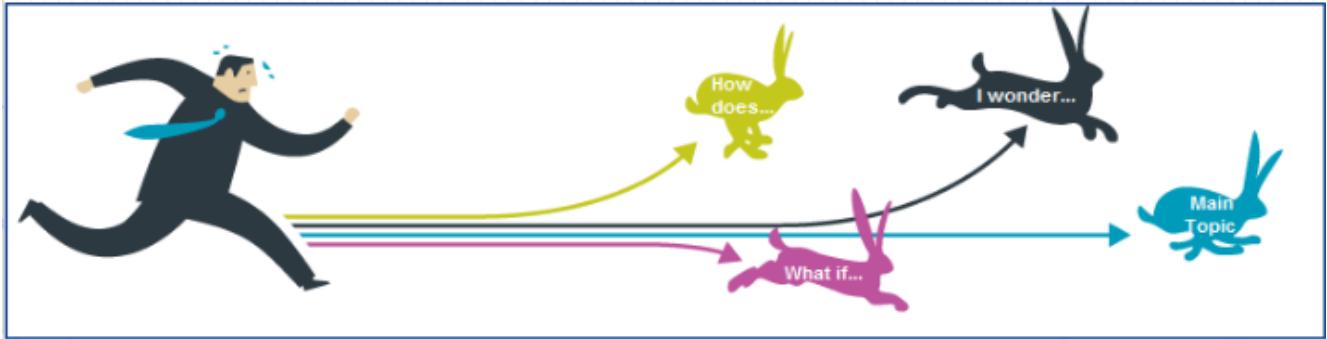
Facts Text dependent Analysis Students are required to gather knowledge, insight, and evidence directly from the textual reading.	Questions Think Aloud Students engage in a reading comprehension strategy that prompts them to think and ask questions that go beyond the text.
Hypotheses Students make inferences about the facts surrounding the case and make predictions.	Learning Issues Metacognition Students must evaluate their prior knowledge to determine what they know and what they don't know in order to efficiently conduct their research of pertinent concepts.

The Big Idea:

I know this for a fact!!!	I think this might be correct.	I need to know this...

Topics in your “I need to know this” column become your learning issues that must be researched. Indicate the answers/definition/explanation of concepts that you have located during your research. Make sure that you indicate the source where your retrieved the information.

To chase or not to chase rabbits?



The pastor's wife agreed to give him a subtle signal whenever he started to "chase rabbits."

Peer/group Participation Evaluation

Instructions: Choose the number that best represents how well you and your peers each participated in the group. 4= Excellent 3= Good 2=Fair 1= poor

	Your Name	# 2' s Name	# 3' s Name	# 4' s Name	# 5' s Name
	_____	_____	_____	_____	_____
Brought needed materials to class and was ready to work					
Stayed focused on the task and what needed to be done.					
Demonstrated skill in performing tasks such as generating hypotheses, learning issues and questions; and critically appraises case, explaining reasoning process.					
Respectfully listened to, shared with, and supported the efforts of others, and tried to keep people working well together.					

What did I do well?

What can I improve?

How can the group improve?

Learning Issues Rubric

CATEGORY	4	3	2	1
Box Chart	Students include 20 statements for the total box chart (to include facts, questions, hypotheses and learning issues)	Students include at least 15 statements for the total box chart (to include facts, questions, hypotheses and learning issues)	Students include at least 10 statements for the total box chart (to include facts, questions, hypotheses and learning issues)	Students include 5 or less statements for the total box chart (to include facts, questions, hypotheses and learning issues)
Research: Amount	All learning issues are addressed with at least two sentences of information on each	All learning issues are addressed with one sentence of information on each	At least half the learning issues are addressed, with two sentences of information on each	Less than half the learning are addressed, with one sentence of information on each
Research: Quality and Citations	Students include at least 5 websites (URL address) or other references used to conduct research of learning issues	Students include 3-4 websites (URL address) or other references used to conduct research of learning issues	Students include at least 2 websites (URL address) or other references used to conduct research of learning issues	Students include only 1 websites (URL address) or other references used to conduct research of learning issues
Peer Evaluation	Student received an average score of at least 15 from group members	Student received an average score of at least 13 from group members	Student received an average score of at least 12 from group members	Student received an average score of less than 11 from group members