



Inquiry - based Research

Hello, I am Leo from KGHS.

Self-introduction



3 Facts about me:

- a. I am a textbook editor/speaker with an immense interest in public speaking.
- b. I have taught English for 8 years. Teaching English is really interesting.
- c. I have an amazing wife called Becca and a lovely daughter called Anna.

Outline

01. Quizzes

See how much you know about
COVID-19

02. Introduction

What is inquiry-based learning?
What is research?

$$a^2 + b^2 = c^2$$

03. Presentation

You will engage in the process of doing
research via small group discussion and
presentation

04. Conclusion

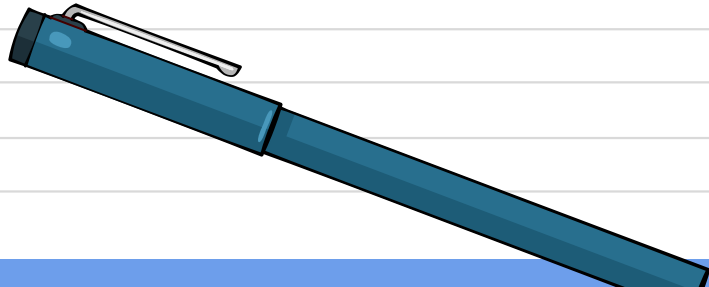
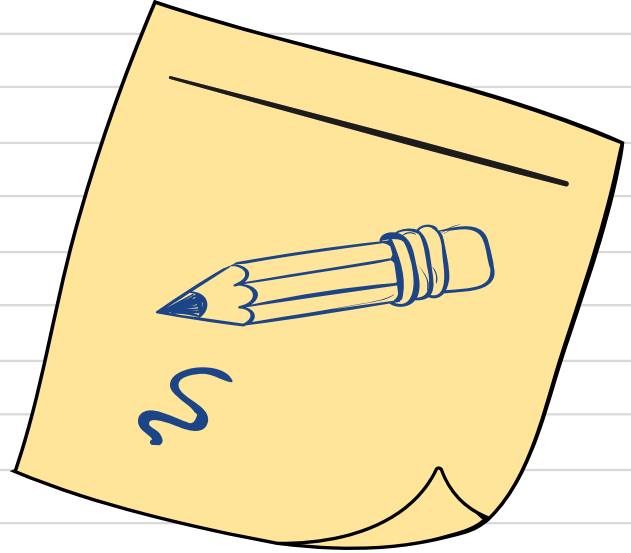
We will wrap up some take-home
messages.

01



Quizzes

Please answer the questions and see how many points you can get.






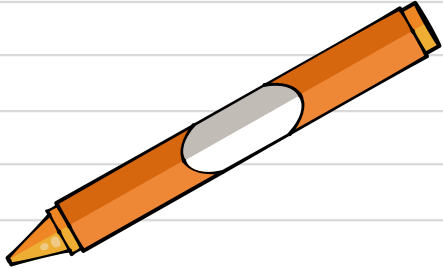
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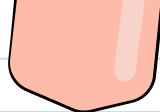
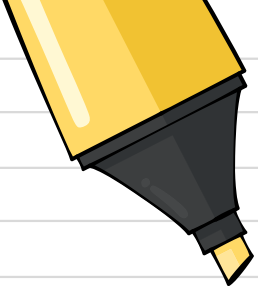


Introduction



What is inquiry-based research? Why is it important?





is.....“Research
.....”

—What is your definition of research?





Reflect on the time you spend in class/out of class !

Ask yourself the following questions (1-5):

- I am eager to read books that are of interest to me.
- I can organize and present my ideas clearly (w/s).
- I develop a keen interest in learning new things on my own.

Or is everything covered by your teachers or cram schools (private institutes after school)?

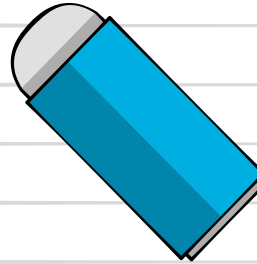


Maybe we need to
rethink how we learn.

Traditional learning

Teacher-centred curriculum

Passive recipient of knowledge



$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

Inquiry-based learning

Student-centred curriculum

Knowledge constructor

But old habits die hard, how can I make a change?



Start with a curious mind

Pay attention to everything around you. What interests you the most?




Take notes and make a plan

What are some interesting phenomena that you observe daily? Observe and take notes.

Find the answer and share

Not easy. You need methods and a community of peers. This is why we are here.






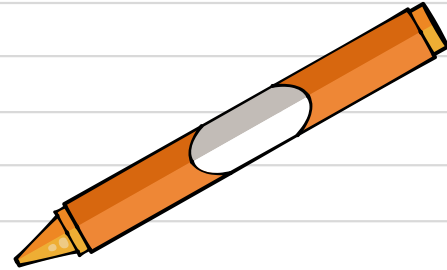
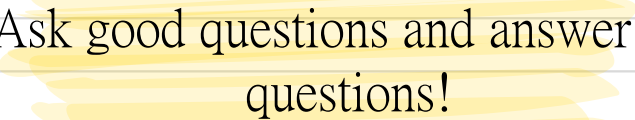
03



Presentation



Ask good questions and answer the
questions!





CRITICAL THINKING SKILLS

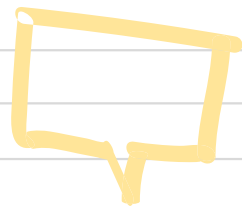
1 Knowledge Identification and recall of information	define fill in the blank list identify	label locate match memorize	name recall spell	state tell underline
	Who _____? What _____? Where _____? When _____?		How _____? Describe _____? What is _____?	
2 Comprehension Organization and selection of facts and ideas	convert describe explain	interpret paraphrase put in order	restate retell in your own words rewrite	summarize trace translate
	Re-tell _____ in your own words. What is the main idea of _____?		What differences exist between _____? Can you write a brief outline?	
3 Application Use of facts, rules, and principles	apply compute conclude construct	demonstrate determine draw find out	give an example illustrate make operate	show solve state a rule or principle use
	How is _____ an example of _____? How is _____ related to _____? Why is _____ significant?		Do you know of another instance where _____? Could this have happened in _____?	
4 Analysis Separating a whole into component parts	analyze categorize classify compare	contrast debate deduct determine the factors	diagram differentiate dissect distinguish	examine infer specify
	What are the parts or features of _____? Classify _____ according to _____. Outline/diagram/web/map _____.		How does _____ compare/contrast with _____? What evidence can you present for _____?	
5 Synthesis Combining ideas to form a new whole	change combine compose construct create design	find an unusual way formulate generate invent originate plan	predict pretend produce rearrange reconstruct reorganize	revise suggest suppose visualize write
	What would you predict/infer from _____? What ideas can you add to _____? How would you create/design a new _____?		What solutions would you suggest for _____? What might happen if you combined _____ with _____?	
6 Evaluation Developing opinions, judgements, or decisions	appraise choose compare conclude	decide defend evaluate give your opinion	judge justify prioritize rank	rate select support value
	Do you agree that _____? Explain. What do you think about _____? What is most important?		Prioritize _____ according to _____? How would you decide about _____? What criteria would you use to assess _____?	



**So, let's read and
ask good
questions.**



Read the [article](#) entitled
“I am not a virus” and
come up with your
questions.





How would you feel if you were the person on the left?

Share some ideas that pop up in your mind.

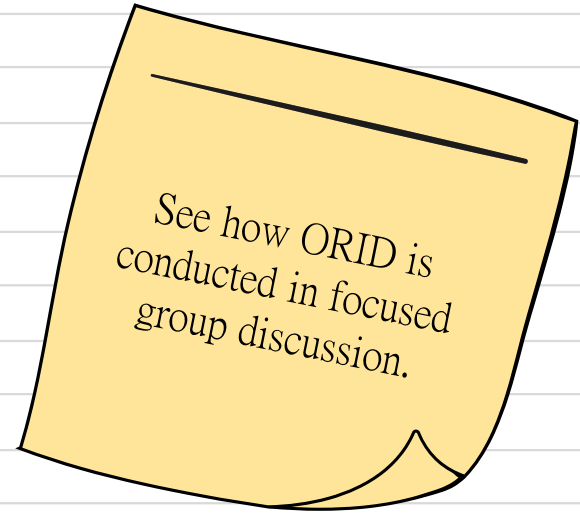



Objective

Reflective

Interpretive

Decisional





**Watch the video
in your small
group and ask
questions.**



Time for Group Discussion using ORID !

1. Covid-19 and Education

<https://www.youtube.com/watch?v=WP6U9vqFFYM>

1. Covid-19 and Entertainment

<https://www.youtube.com/watch?v=gRK-O9fh7ZA>

1. Covid-19 and Environment

<https://www.youtube.com/watch?v=jHWUuEKaWxs>

1. Covid-19 and Economy

<https://www.youtube.com/watch?v=MnoqZgodn2M>

Steps for group discussion

1. Watch the video

What do you see? Take notes.

2. Record your emotion/feelings

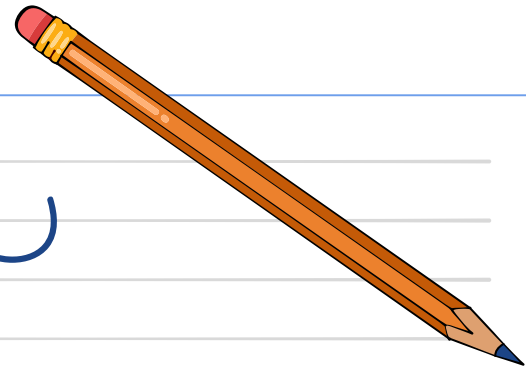
Reflect on what you have experienced in your country.

3. Group discussion

Explain what may render the status quo. What are the problems facing your country?

4. Present your findings/solutions

What may be the possible/tentative solutions you have come up with to improve the situation. Give feedback.



DATE

Title: Cornell Notes

KEYWORDS

- Quick notes
- Abbreviations
- Key thoughts and takeaways from lecture

QUESTIONS

SUMMARY

What are the feasible solutions?

Solution 1

We can...

Solution 3

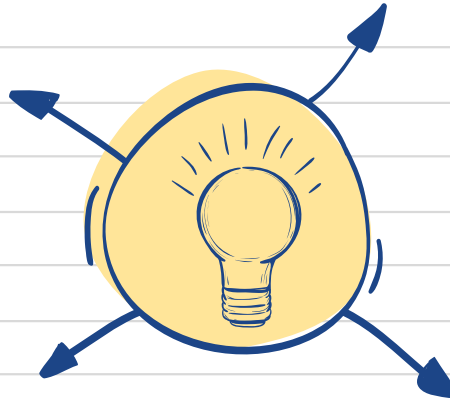
We can...

Solution 2

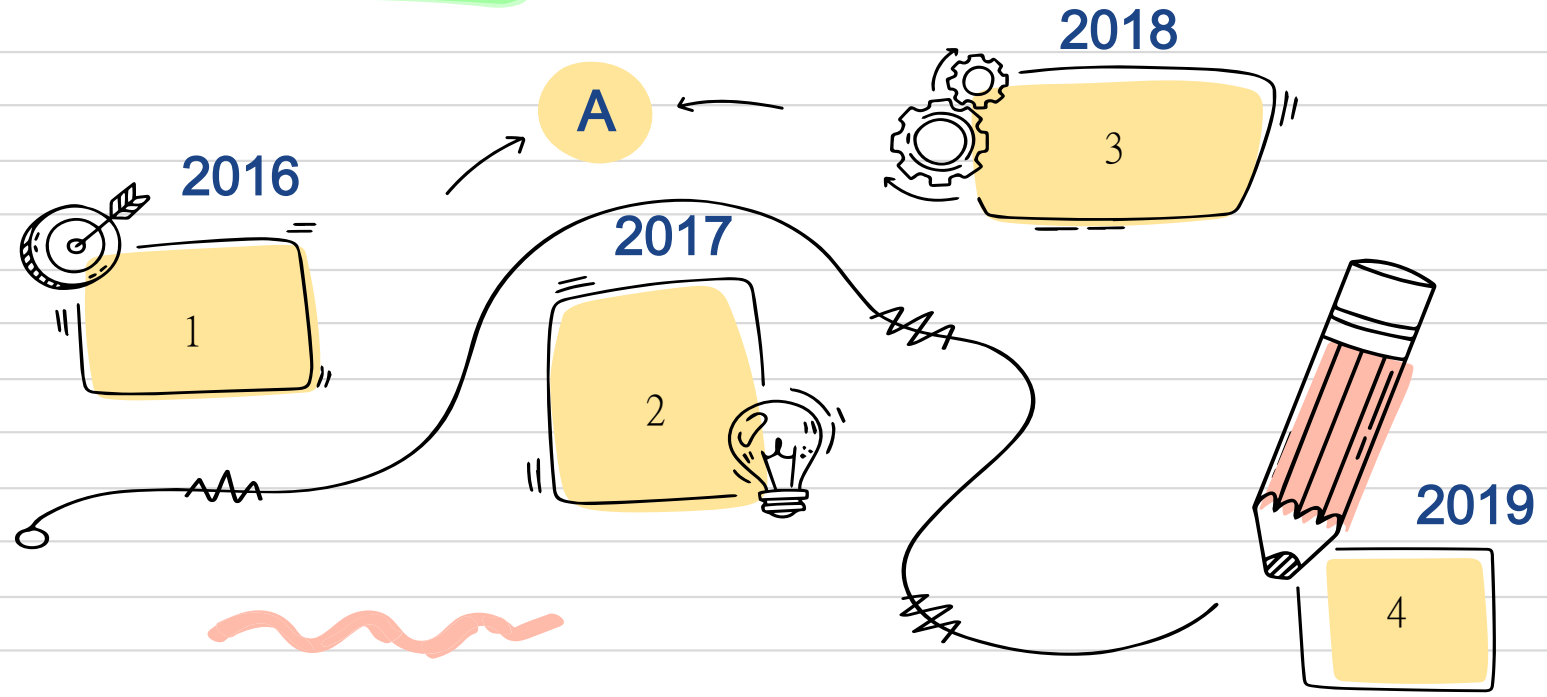
We can...

Solution 4

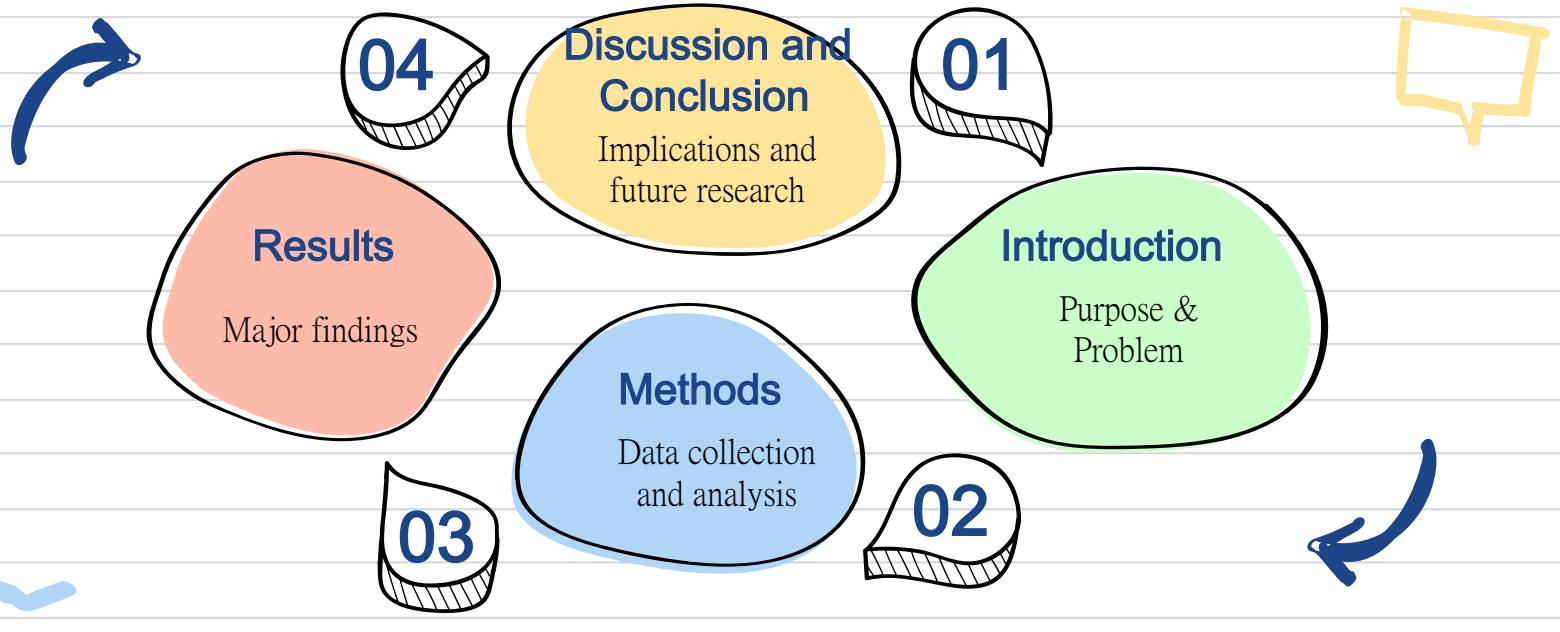
We can...



Use infographics to make your idea visible.



Structure of Research



04 Conclusion



Inquiry

Start from curiosity

Ask good questions

Use Bloom's taxonomy

Take notes

Make it a habit to keep learning

Find sources

Read extensively and find reliable sources

Team work

Conduct focused group discussion

Solutions

Come up with some possible answers



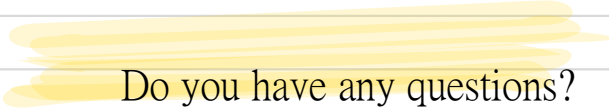
Click here!




Thanks!



Google Forms



Do you have any questions?



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