# Thoughts through a MYP Global Context

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# Orientation in Space and Time



Orientation in Space and Time explores key events in personal or human history as well as the interconnectedness of civilizations and individuals.

#### Also related to this context are:

Personal or family histories

Key events in humankind such as discoveries, explorations and migrations

The interconnectedness of individuals and civilizations from personal, local and/or global perspectives

1005 Million

 The global context in the MYP "Orientation to time, place and space" presents the questions of "where" and "when," as concepts organizing how individuals might think.

# Key Words

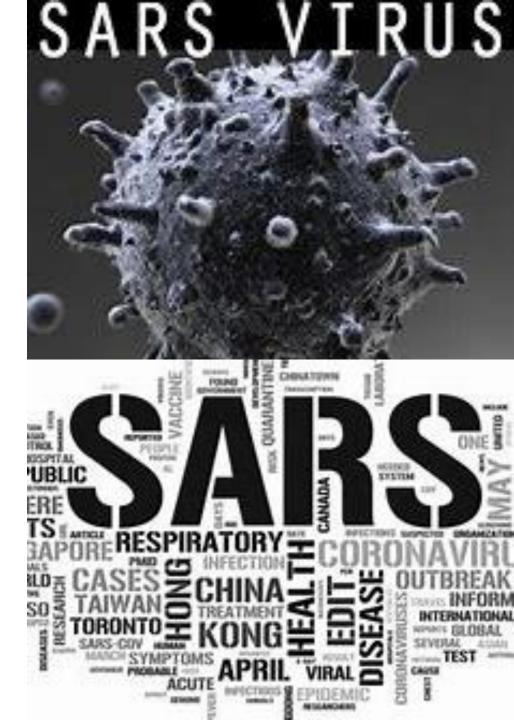




- **Control**:
- Learn how to control the disease right now.
- Prevention:
- How to prevent the Disease right now.

# Control of SARS

- To Control/Defend SARS, you/others can:
- 1. Separate the infected people
- This will slow down the infection speed.
- 2. Do more exercise at home
- Make your body stronger so that your cells will be stronger to fight off the disease/Increase our Immunity



### Control of SARS

#### Wear mask:

So that more virus will be kept out from your lungs by your mask

Wash your hands often:

There will be less Virus on your hands, so when you are touching your mouth, there won't be an entry

Identify and Collect datas:

Help scientists invent more vaccine to cure the disease

Go out less:

So that the rate of you getting infected will decrease



# Prevention of SARS in 2003

- Before 2004, there was already no people who has been diagnosed with SARS. It was soon clear that no . one has been infected ever since 2004.
- Basic Ways That prevented SARS in 2003:
- Wash your hands often with soap and water for 20 seconds, and help young children do the same.
- Cover your nose and mouth with a tissue when you cough or sneeze, then throw the tissue in the trash.
- Avoid touching your eyes, nose, and mouth with unwashed hands.
- Avoid close contact, such as kissing, or sharing cups or eating utensils, with sick people.
- Clean and disinfect frequently touched surfaces, such as toys and doorknobs.

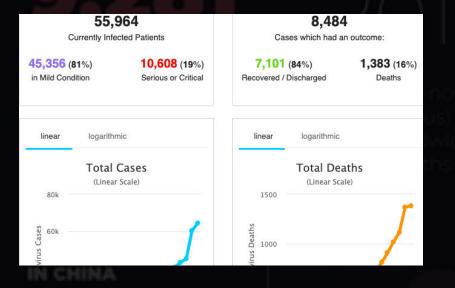
# Control of 2019-nCov ( Coronavirus)

Everyone feared the Coronavirus, but is it that scary? Some Chinese Citizens said, " We can overcome the current

# How to control?



#### CONFIRMED



- This disease can be healed, so if less and less people gets the disease, the disease will disappear soon.
- Up to Feb 13th, there's 1383 deaths and 64448 cases, while only 3 deaths out of China.

- nCOV

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YMPTOMS



The control of the situation is not bad, but it needs to be better.

ONTAGION



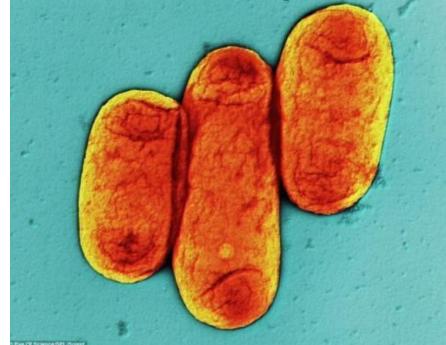
AIR TRANSMITION

# Prevention of n-Cov

- Basic Ways to Prevent n-COV:
- Avoid close contact with people who are sick.
- Avoid touching your eyes, nose, and mouth with unwashed hands.
- Stay home when you are sick.
- Cover your cough or sneeze with a tissue, then throw the tissue in the trash.
- Clean and disinfect frequently touched objects and surfaces using a regular household cleaning spray or wipe.
- Follow CDC's recommendations for using facemask.

#### What did we learn from the plagues in the history





Name: Black death

It is the plague that caused the most death ever– It killed 1/3 people in the whole Europe – that is about 50 million people at that time

#### What did we learn from the black death

But when people have nearly all killed by the black death, then , the plague just began to infect less and less people.

• From the black death we've learned that all the plague:

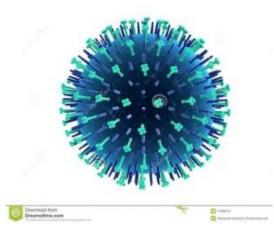
will reach a certain point of their peak of that kind of virus. • When the plague have reached that certain point the people that's infected will decrease and disappear

#### Name: Spanish flu

• The Spanish flu was a very powerful influenza. Only being stronger more virulent and it focus more on the young and healthy.

#### How did the Spanish flu ends

 Some say it ended in the spring of 1919, while others believe it continued to claim victims through 1920.
 Eventually, the flu just disappeared.







• Most of the viruses will last long and will have multiple waves of infections.

• Some of the diseases that don't have any lethality can mutate into the virus that have very high lethality

 On November 11, 1918, a peace sign was brought to World War I.

 People think that they're free from both war and flu, so they celebrate happily.

• When people celebrate, they experience the third wave of the Spanish flu...



SARS-CoV Schematic

# Nucleocapsid protein (N) Membrane glycoprotein (M) Spike Protein (S) Envelope protein (E) Sa, linear, positive polarity RNA genome of ~29 Kb in length

S glycoprotein interacts with human ACE2 molecule for entry into cells in culture; Major determinant of host range; neutralizing epitopes

E and M drive assembly of mature particles into an intermediate compartment between golgi and rER

Readily inactivated by 65°C, 70-100% alcohol, or phenolic based disinfectants

# Conclusion

From this virus case, we should learn that we should be alerted whenever there is an emergency.

#### Do not make mistakes repetitively.