

# History of Vaccination

An Introduction to the diseases  
and vaccination



The History of Vaccination



## Lesson Outline

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What is Vaccination and How vaccines save lives

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Function and Types of Vaccination

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Making a video and E-book



## Lesson Objectives

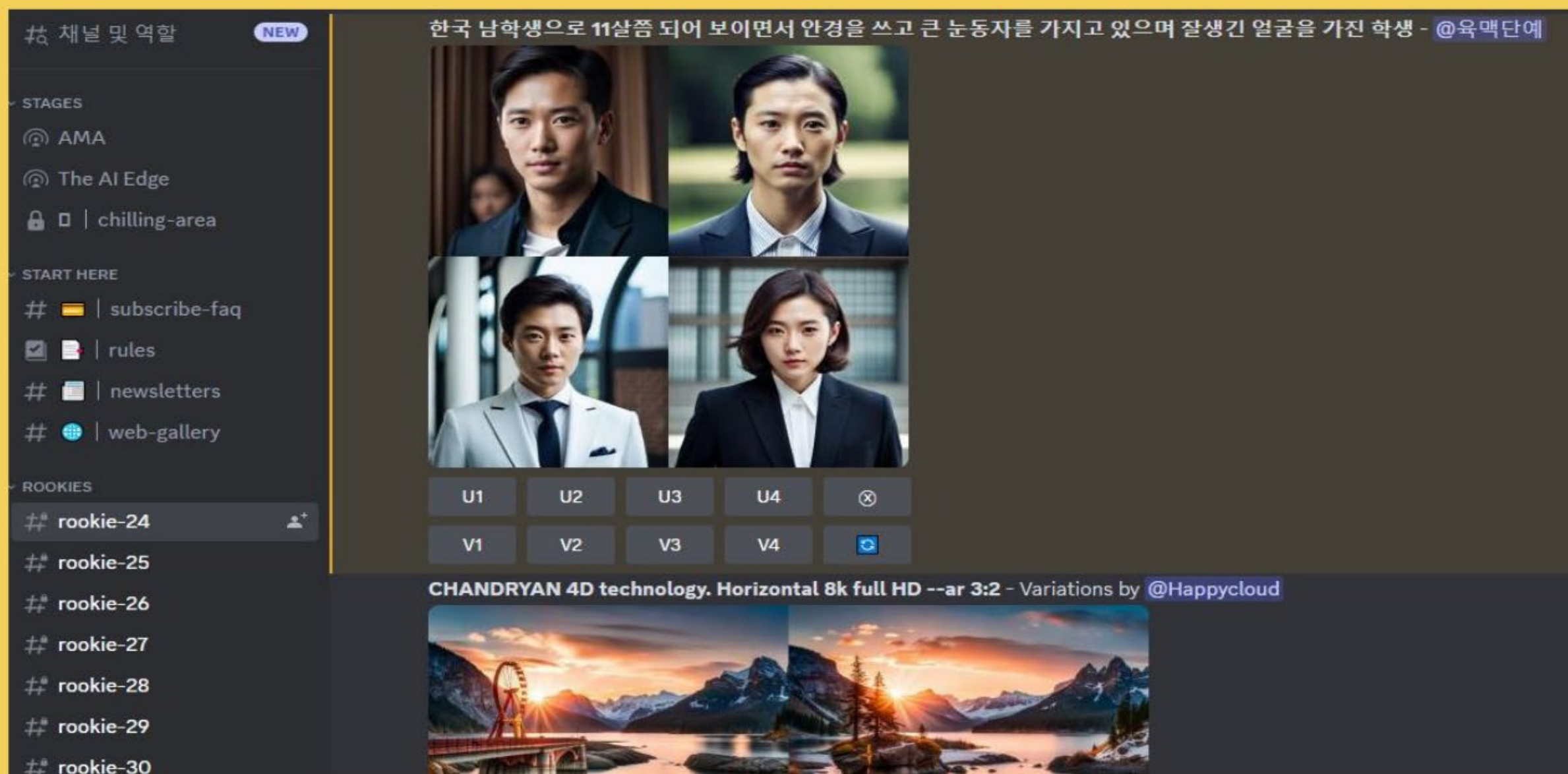
1. 백신의 역사에 대해 설명할 수 있다.
2. 질병예방을 위한 위생관리의 중요성을 인식할 수 있다.
3. 에듀테크 기술로 학습자료를 스스로 만들 수 있다.





# Making a video about a prior knowledge

## 1. AI 이미지 생성하기



## Making a video about a prior knowledge

### 1. AI 이미지 생성하기

- 1) 원하는 AI 이미지를 다운받기 위해 Midjourney 나 BlueWillow에 접속한다.
- 2) 회원가입은 구글계정으로 간단하게.
- 3) 왼쪽 (newbies-숫자) or (rookie-숫자) 채널에 입장한다.
- 4) 채팅창에 (/imagine prompt) 입력한 후 자신이 다운받길 원하는 이미지를 입력한다.
- 5) 오른쪽 버튼을 클릭하여 사진을 저장한다.

# Making a video about a prior knowledge

## 2. AI 동영상 제작하기

The screenshot displays the D-ID 'Create Video' interface. On the left is a dark sidebar with navigation links: 'Create Video', 'Video Library', 'API Docs', 'Support', and 'Pricing'. The main workspace is titled 'Untitled video' and features a large video preview area showing a woman with long dark hair in a white shirt and grey skirt against a green background. Below the preview is a 'Choose a presenter' section with a grid of avatars, including a '+' icon and an 'ADD' button. To the right of the preview is a 'Generate AI presenter' button. On the far right, a panel contains two tabs: 'Type Your Script' (active) and 'Upload Voice Audio'. The script input area contains text about the history of vaccination, with a warning that the 10-word preview limit has been exceeded. Below the script is a character count '3294/3875 characters'. At the bottom of this panel are dropdown menus for 'Language' (set to English (United States)) and 'Voices'.

D-ID Create Video

DISCARD VIDEO GENERATE VIDEO

Untitled video

+ Create Video  
Video Library  
API Docs  
Support  
Pricing

Choose a presenter Generate AI presenter **New**

+ ADD

Type Your Script Upload Voice Audio

The history of vaccination is a fascinating journey that spans several centuries and has led to one of the most impactful advancements in modern medicine. Here's a brief overview of its evolution:

Early Observations (Pre-18th Century): The concept of vaccination traces back to ancient times when people noticed that those who survived certain diseases were often immune to subsequent infections. In ancient China and India, for example, people practiced variolation, a crude form of immunization where they would intentionally expose themselves to smallpox scabs to develop immunity.

10 words preview limit exceeded  
[Upgrade](#) to a paid plan to get full script preview access

3294/3875 characters

Language  
English (United States)

Voices  
Lenny



## Making a video about a prior knowledge

### 2. AI 동영상 제작하기

- 1) 동영상을 만들기 위해 Studio D-ID 사이트에 접속한다.
- 2) 회원가입은 역시 구글계정으로 간단하게.
- 3) Create Video 를 클릭한다.
- 4) + ADD 버튼을 클릭하여 다운받은 이미지를 불러온다.
- 5) 오른쪽 빈칸에는 챗GPT를 활용하여 설명하고 싶은 배경지식을 채운다.
- 6) 우측 상단 "Generate Video" 를 클릭하면 잠시 후 AI 아바타가 지문을 읽어주는 동영상이 생성된다.

## Making a video about a prior knowledge

### 3. 동영상에 자막 생성하기

1. vrew.com 에 접속한다.
2. 프로그램 다운로드 후 '새로 만들기' 를 클릭한다.
3. 영상 및 음성 파일로 시작하기에서 제작해 둔 영상을 불러온다.
4. 언어를 선택하고 확인을 클릭하면 영상 제작 완료



# Making a video about a prior knowledge

## 3. 동영상에 자막 생성하기

The screenshot displays a video editing application with a toolbar at the top containing icons for creating new projects, opening existing ones, adding images, video remixing, screen recording, project saving, exporting to other projects, exporting to video, exporting to other formats, preview sharing, and project file information.

The main workspace shows a video preview window on the left with a woman in a white shirt and grey skirt. The video title "The history of vaccination" is visible. Below the preview is a timeline with a play button, a progress bar showing 00:00 / 03:31, a 1x speed indicator, and a grid icon. A "클립1" (Clip 1) button is also present.

The right side of the interface shows a list of subtitle segments:

- 1. **영상편집** (Video Editing) / **자막수정** (Subtitle Editing). The text "The history of vaccination" is shown in a box. The duration is 00:00 + 1.43초.
- 2. The text "is a fascinating journey that spans several centuries" is shown. The duration is 00:01 + 2.87초.
- 3. The text "and has led to one of the most impact for advancements" is shown. The duration is 00:04 + 2.48초.
- 4. The text "in modern medicine" is shown. The duration is 00:06 + 1.83초.
- 5. The text "here's a brief overview of its evolution" is shown.

## Finding the Data

Name the scientists who discovered the vaccine for smallpox.

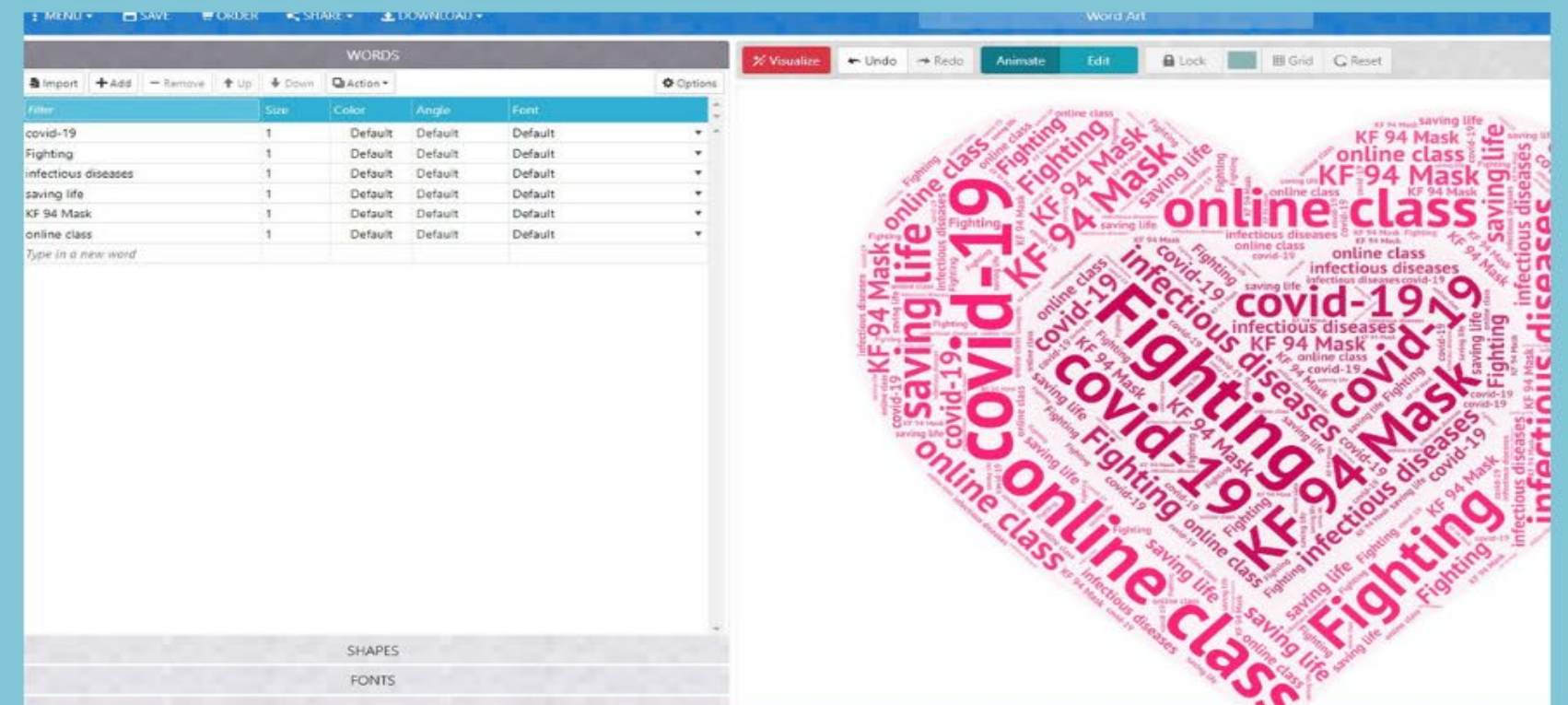
Cite the characteristics of Covid-19 vaccine.

Explain how vaccines save lives.



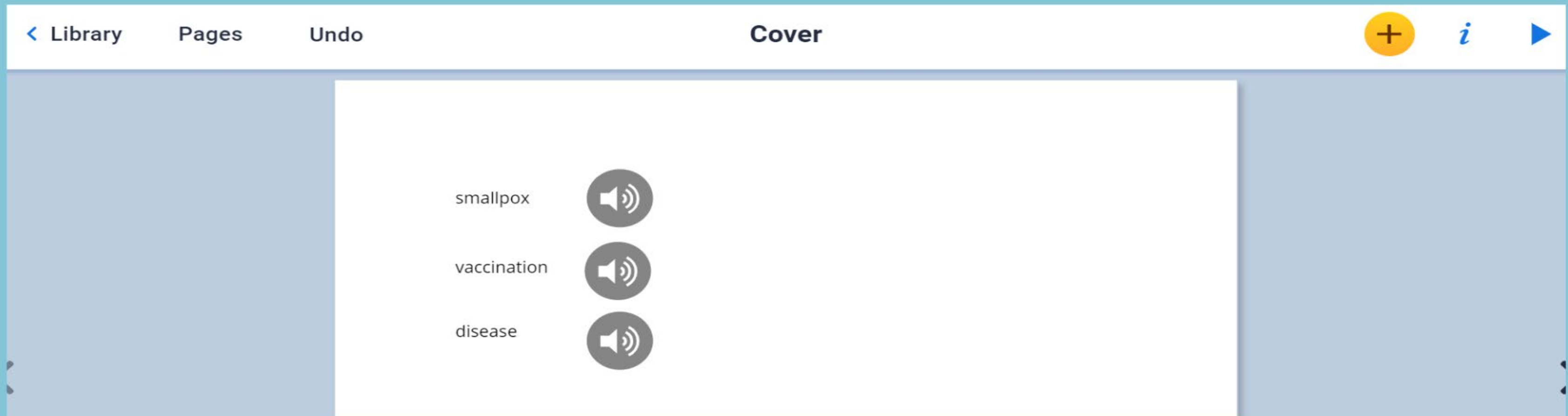
## Activity 1. Making a word cloud

1. 학생들은 각자 Google Arts & Culture 에 접속하여 'vaccine', 'infection', 'disease' 등 관련있는 주제를 검색한다.
2. 관심있는 텍스트를 선정한 후, 어휘학습을 위해 six word cloud 만들기 활동을 한다.  
\* only six word : 헤밍웨이가 여섯단어만 가지고 썼다고 전해지는 세상에서 가장 짧고 슬픈 소설(For sale : Baby shoes. Never worn)
3. wordart.com 에 접속하여 여섯단어를 선택하여 word cloud 를 만들어 본다.



## Activity 2. Making own vocabulary

1. "Book Creator" 에 접속(<https://bookcreator.com/>)하여 학습하고 싶은 어휘를 선택하여 자신만의 단어장을 만들어 본다.
2. Library를 개설하고 학생들에게 초대코드를 전송하여 가입하게 한다.
3. + New Book 버튼을 클릭한다.
4. 우측 상단 + 버튼을 누르고 "Text" 와 "Record" 를 이용하여 자신만의 단어장을 만들게 한다.

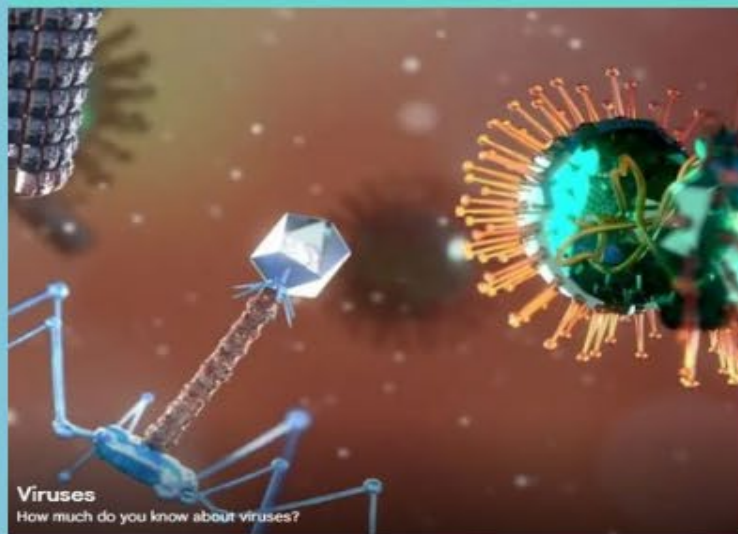




## Skimming the text

Skim : 일명 훑어 읽기로, 모든 세부내용을 다 읽는 것이 아니라 제목과 소제목 혹은 첫 문장만을 읽고 전체의 주제와 내용을 파악하는 읽기 전략

Vaccines vs. viruses



Q :What is the best topic of this passage?

Enter the Covid-19 vaccine

Get to know the scientists from across the world who tackled the Covid challenge



Q :What is the main idea of the article?

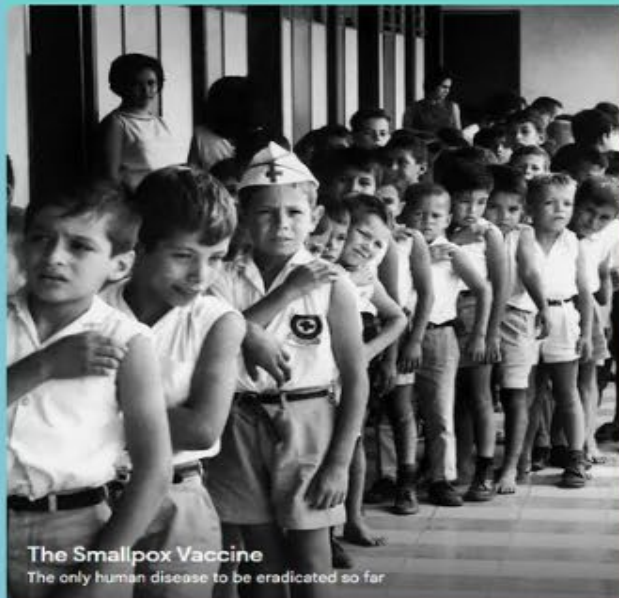


## Scanning the text

**Scan :** 텍스트에서 특정 정보를 찾는 데 사용되는 읽기 기법. 모든 것을 읽지 않고 특정 세부사항이나 정보를 찾을 때 사용한다. 일명 키워드 찾기로 속독 전략 중의 하나

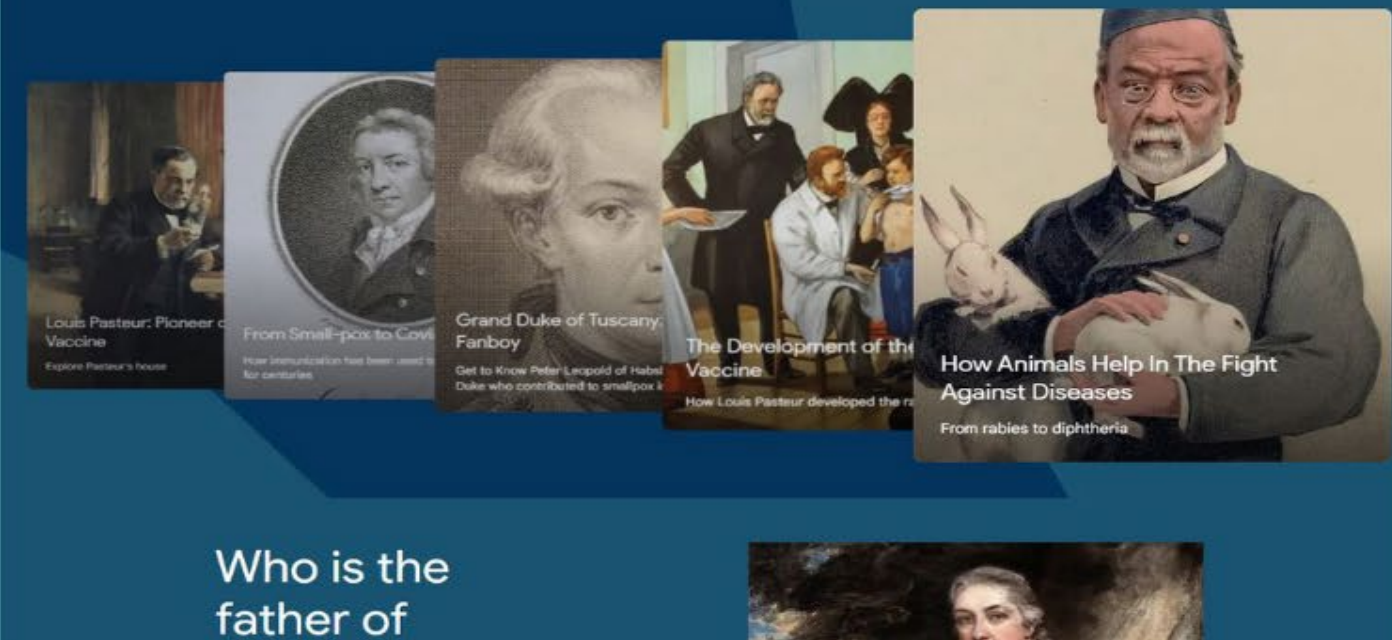
### How vaccines save lives

From eradicating smallpox to controlling the spread of influenza



### The long road to a little jab

Vaccine development across the centuries



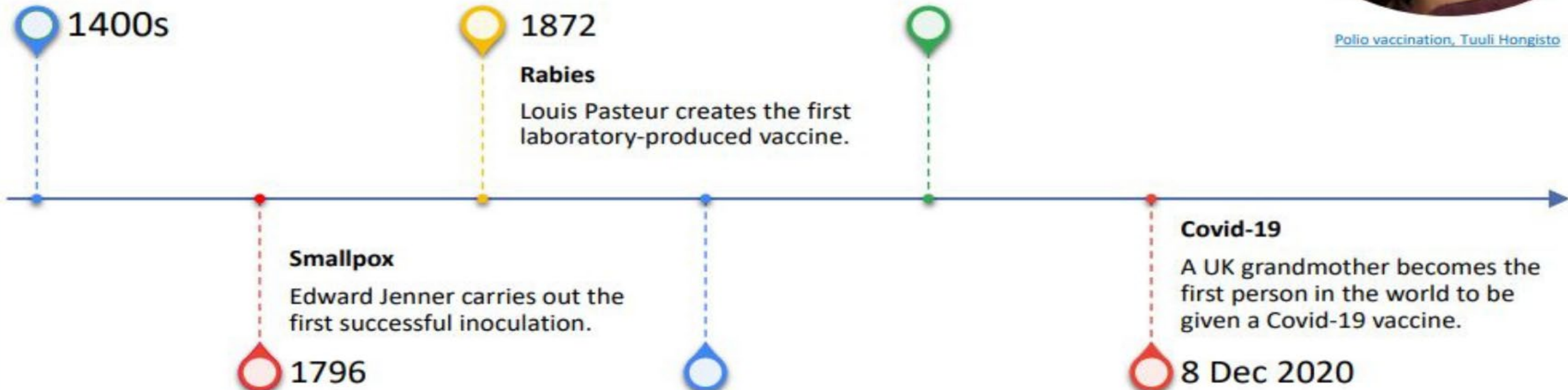
Q : Name the many kinds of vaccine you've heard

Q : Who invented the vaccine ?



### Activity 3. Create a timeline showing the history of vaccines

Read a short story of vaccination and then, using the information you have learnt, make a timeline to describe the history and development of vaccines. Make sure the major events including diseases and vaccines







### Fill in the Blanks (Formative test)

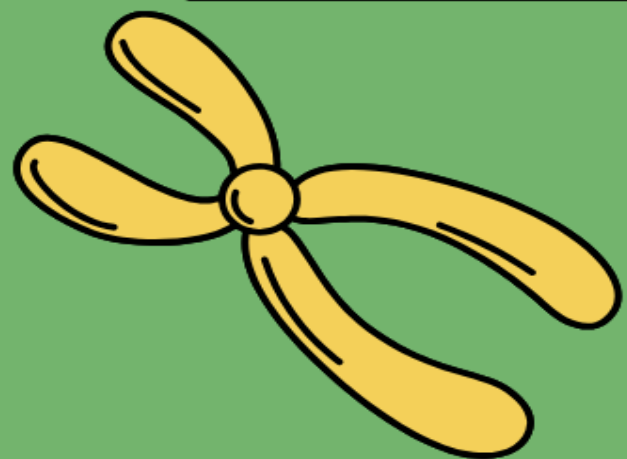
See if you can recall what you have learned from this lesson. How many blank words can you fill without going back through the pages. (if you want, go to the pages!)

1. The vials used to store the Covid vaccine are made of \_\_\_\_\_.
2. \_\_\_\_\_ was a French chemist and microbiologist who developed a vaccine for \_\_\_\_\_.
3. \_\_\_\_\_ is the method used in the 15th century where healthy people were intentionally exposed to smallpox.
4. The \_\_\_\_\_ are/is an organ that can be affected by the Covid-19 virus.
5. The \_\_\_\_\_ is an attempt by Professor Harris Makatsoris at King's college London to manufacture vaccines at a massive scale.
6. \_\_\_\_\_ can be used to support breathing and be helpful for people suffering long-term Covid symptoms.
7. Edward Jenner is famous for delivering the first \_\_\_\_\_ to inoculate 8-years-old James Phipps against \_\_\_\_\_.



## Lesson Objectives

1. 백신의 역사에 대해 설명할 수 있다.
- 2. 질병예방을 위한 위생관리의 중요성을 인식할 수 있다.**
3. 에듀테크 기술로 학습자료를 스스로 만들 수 있다.



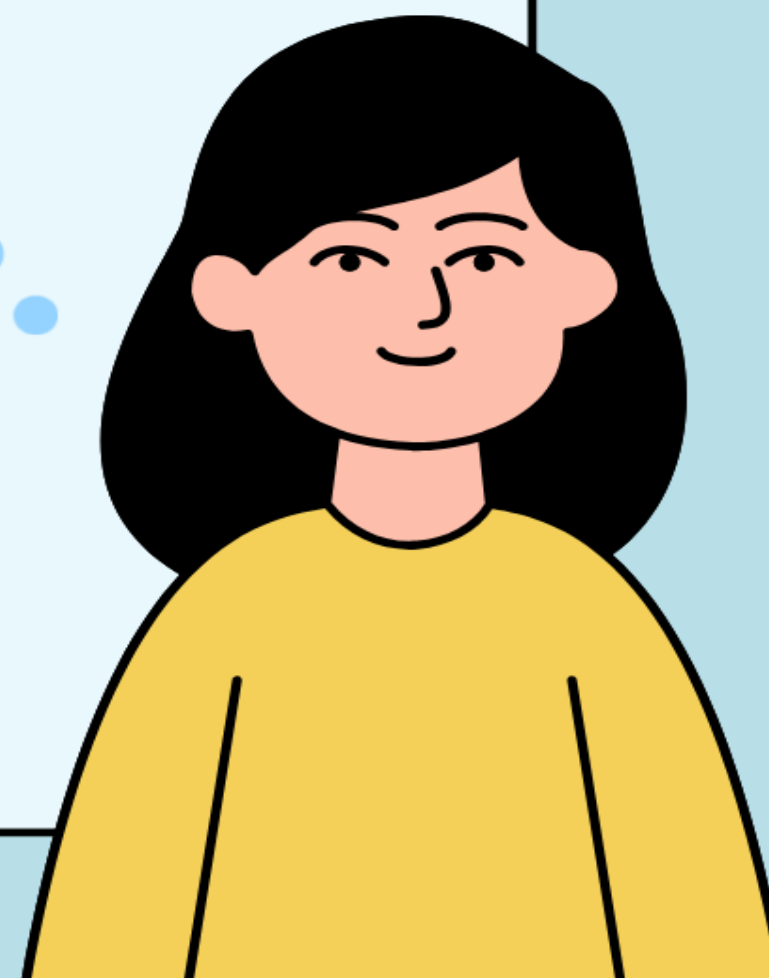
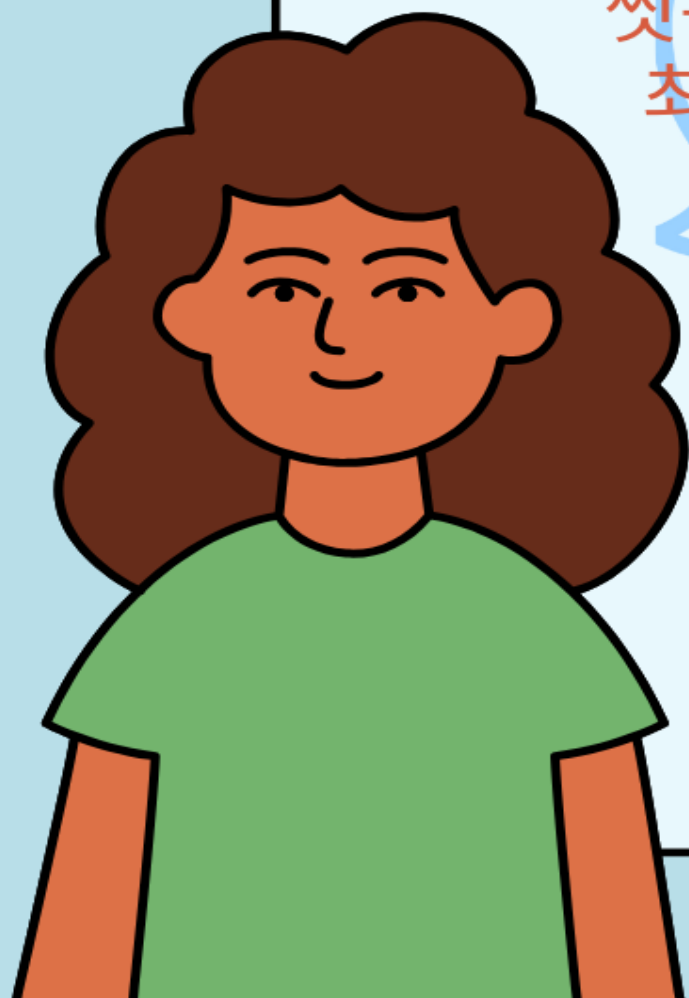
# Which is better?

비누와 손세정제 둘 중 세균 억제효과가 더 좋은 것은 과연 무엇일까?

간단하지만 비누로 손  
씻는게 세균을 없애는  
최고의 방법이라구!

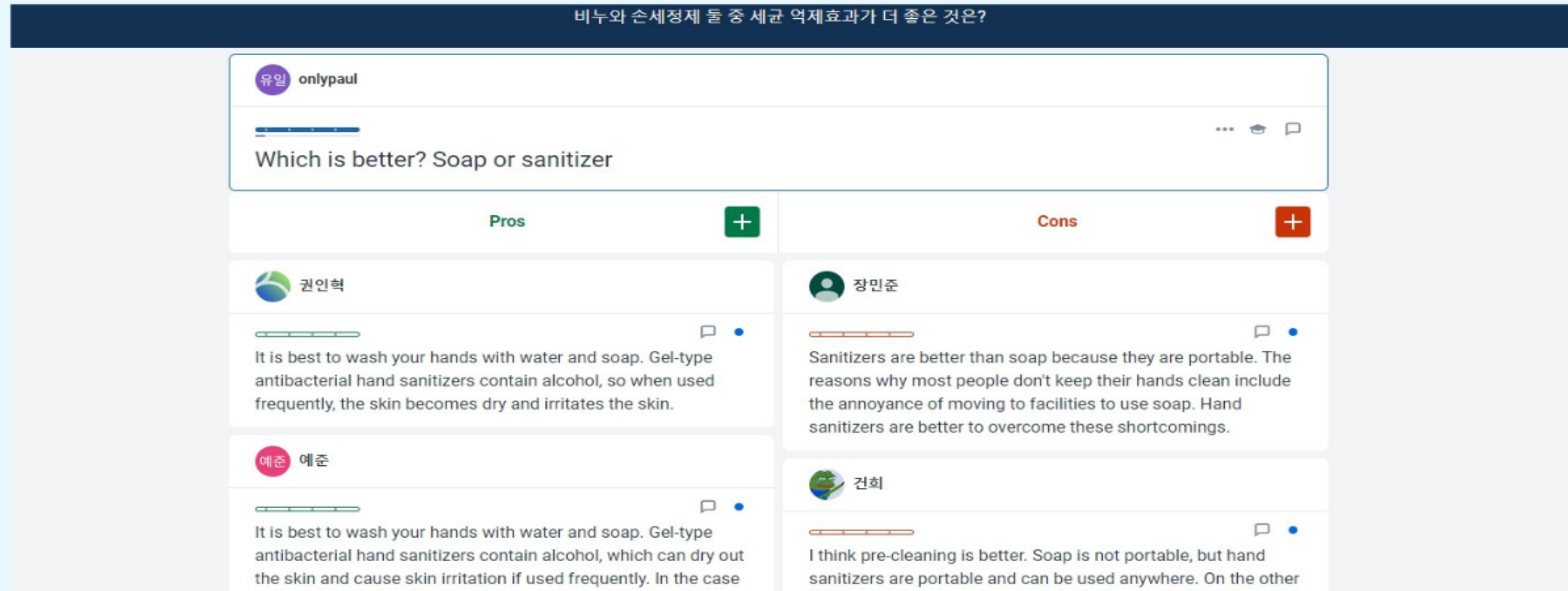


간편하게 휴대가능한 손 세  
정제 하나면 O.K!



# Debate activity

1. kialo-edu.com 에 접속한다.
2. 우측 상단 + New 버튼 클릭
3. 토론의 제목, 주제, 언어등을 설정하여 토론방 개설





## Activity 1. Making a soap & sanitizer

1. 비누 만들기 키트와 손 세정제 만들기 키트를 준비하여 직접 만들어 본다.
2. 전자레인지 사용에 주의하며 환기가 잘 되는지 확인한다.
3. 자신만의 E-book 에 들어가야 하므로 만드는 과정을 사진 혹은 동영상으로 남기게 한다.
4. 비누는 굳는 시간이 필요하므로 활동시간을 고려해야 한다.





## Activity 2. Verifying the virus with a Viewbox

1. 형광로션을 손에 바르고 뷰박스를 통해 오염물질을 확인한다.
2. 첫번째 비누를 사용하여 씻은 다음 잔여 오염물질이 남아 있는지 확인한다.
3. 두번째는 손세정제를 사용하여 씻은 다음 잔여 오염물질이 남아 있는지 확인한다.
4. 대부분의 경우 비누를 사용한 손이 더 깨끗한 모습을 확인 할 수 있다.

오염된 손



손 세정제 사용 손

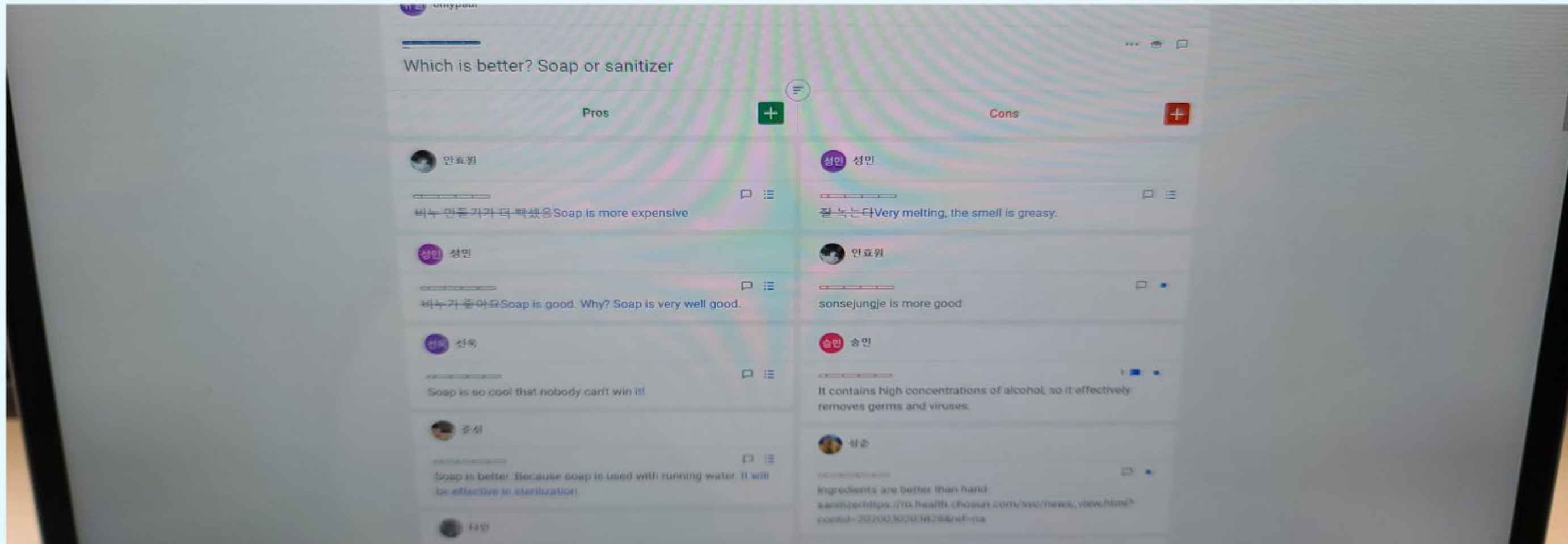


비누를 사용한 손



# Opinion Revision activity

1. kialo-edu.com 에 접속한다.
2. 이전에 개설되었던 토론방에 입장하여 자신의 의견을 수정한다.
3. 자신의 의견을 수정하거나 강화할때도 kialo-edu 를 활용할 수 있다.





## SUMMARY

### The Discovery

손 세정제보다 비누로 손을 씻는 것이 세균 및 바이러스 제거에 더 효과적이다.

=> 비누로 손 씻는 간단한 행위가 위생관리에 효과적이다.

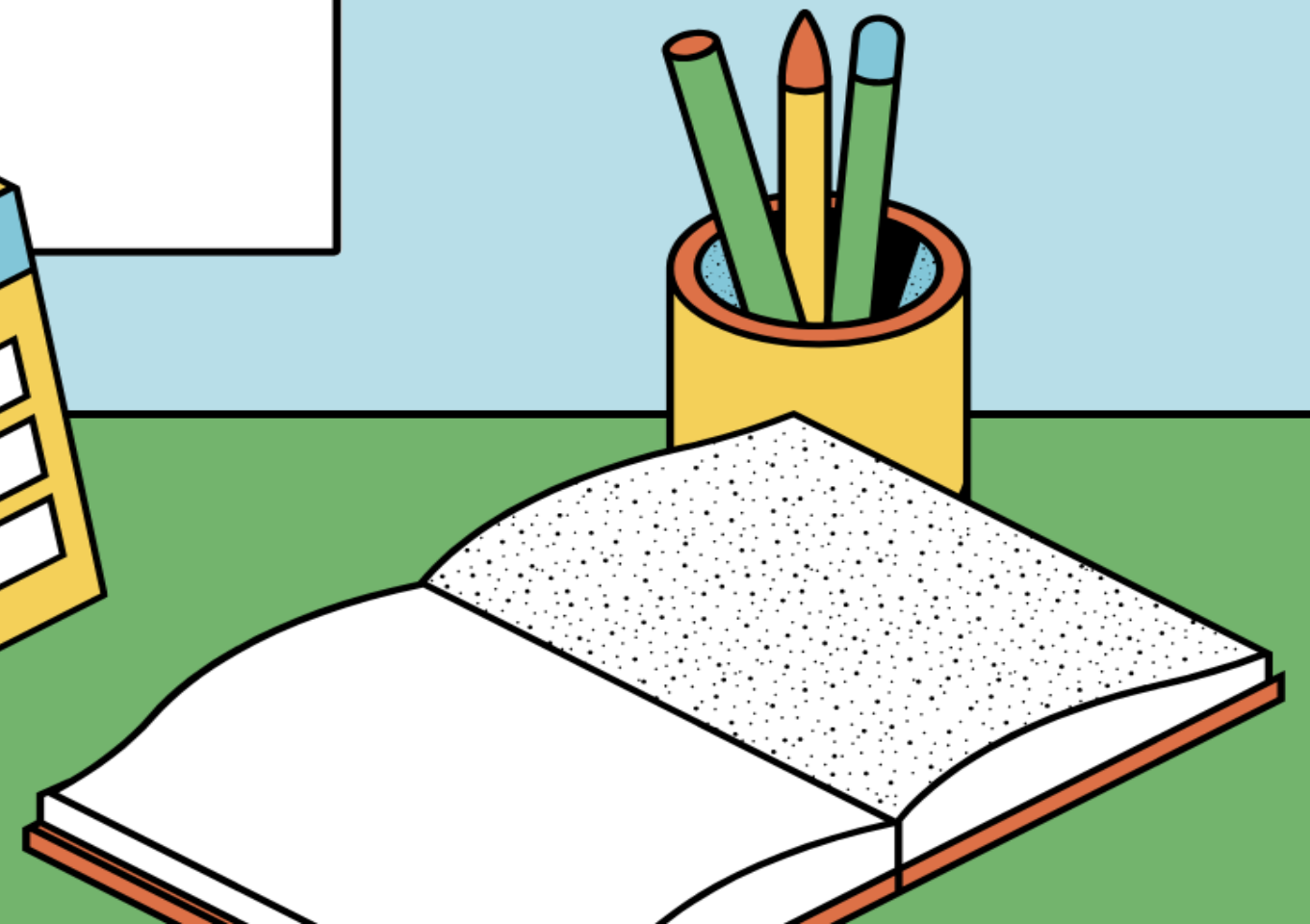
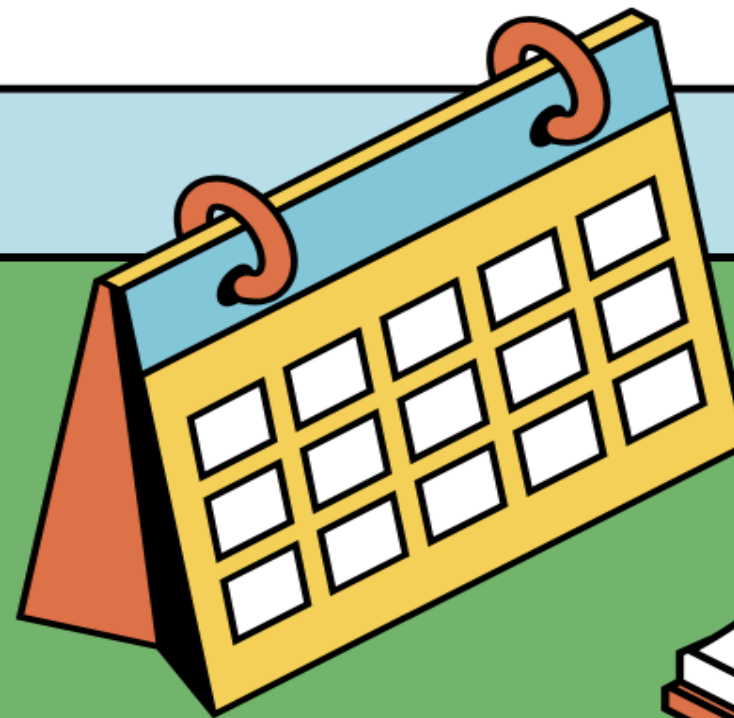
### The Importance of Vaccine

인류를 질병의 위협으로부터 지켜주고 건강한 생활을 영위하게 도와주는 고마운 백신



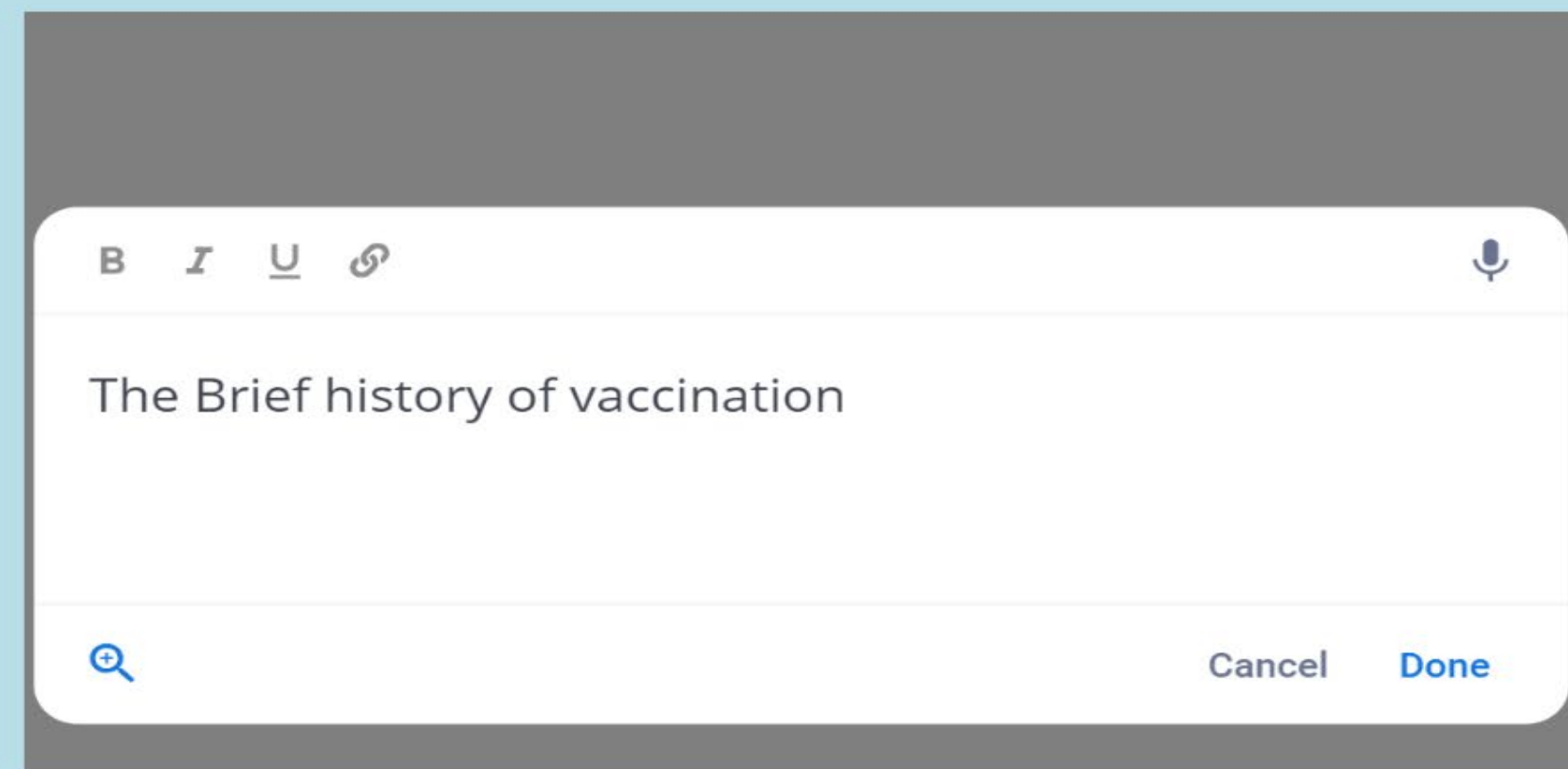
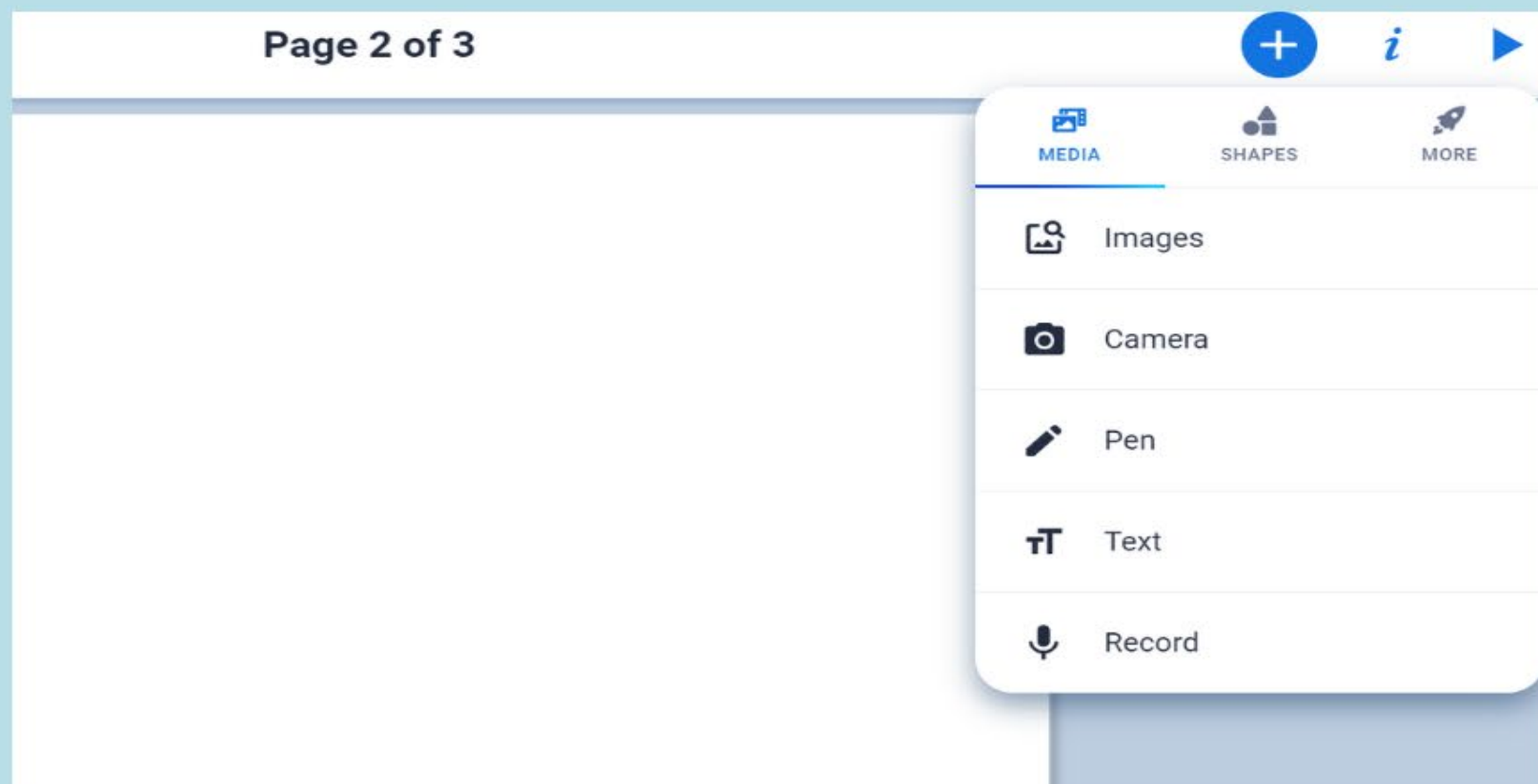
## ACTIVITY : MAKING A E-BOOK

Create your own E-book with book-creator.

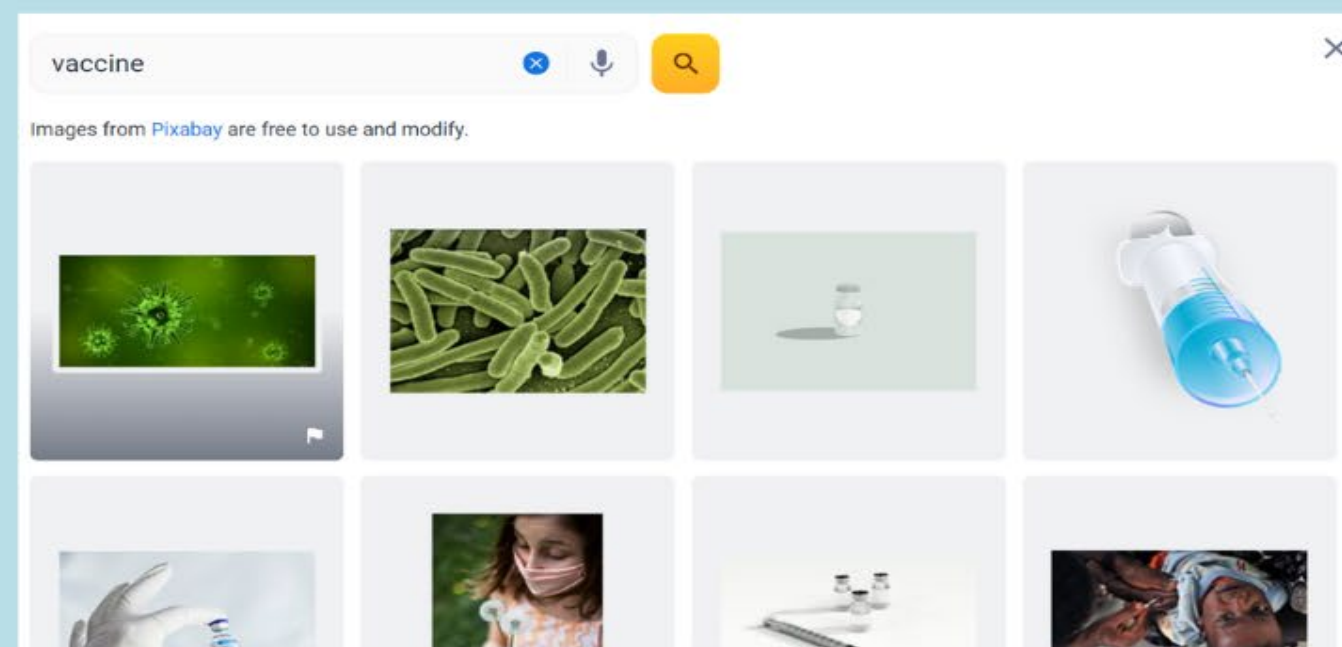
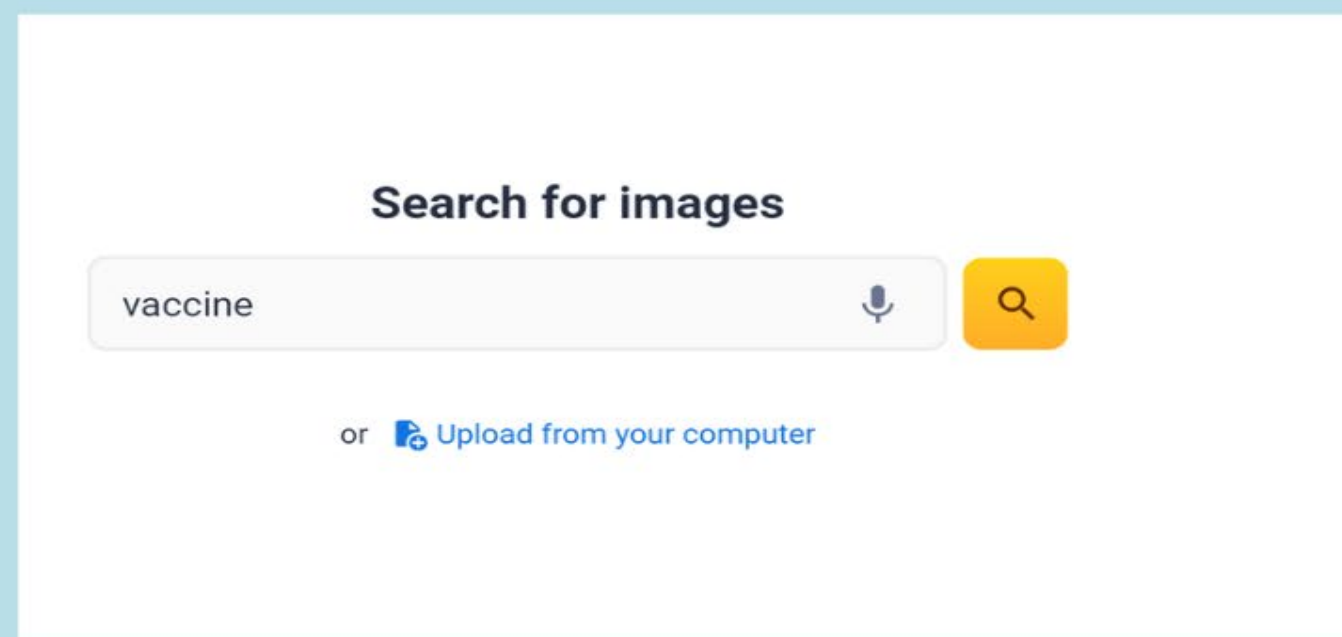
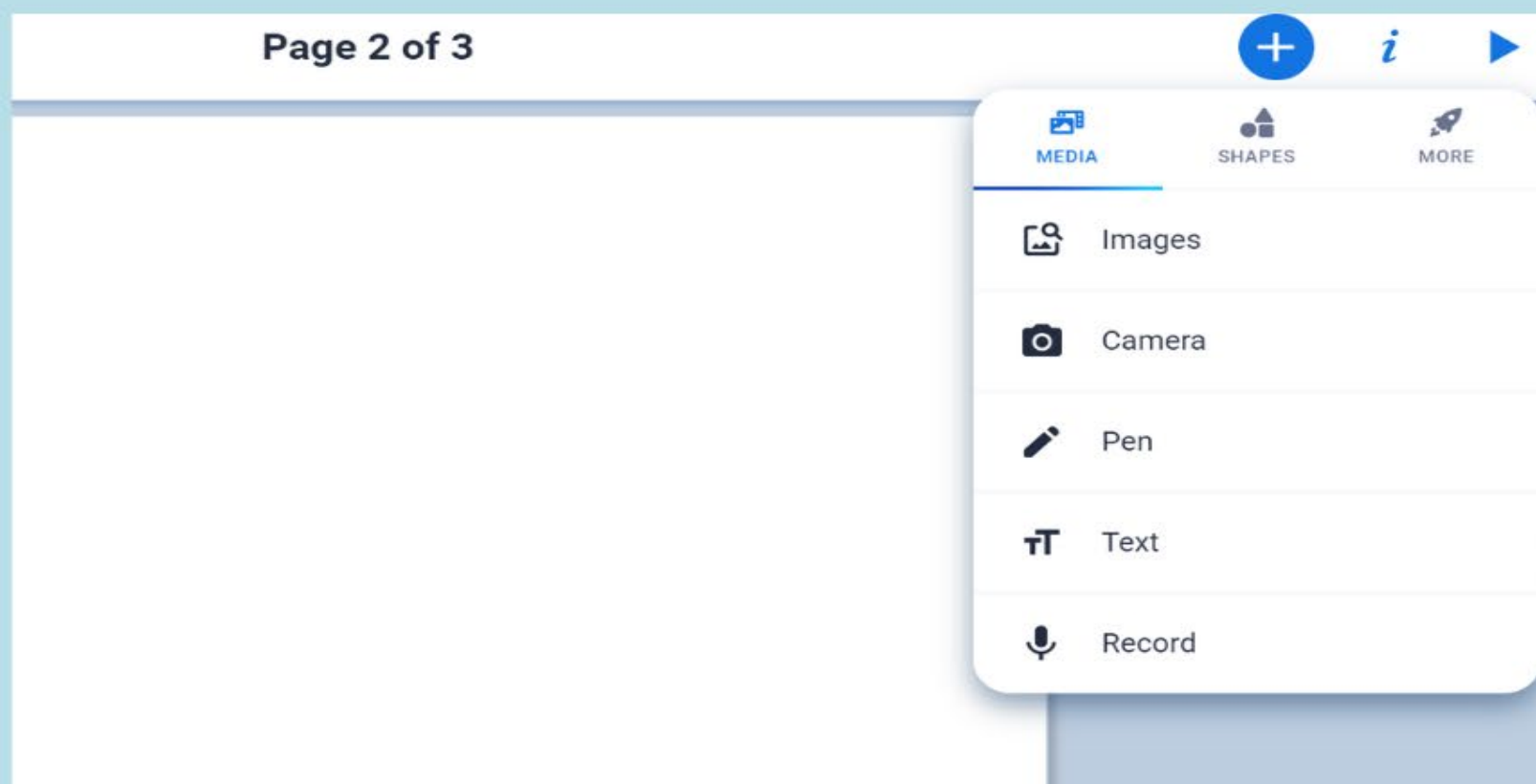




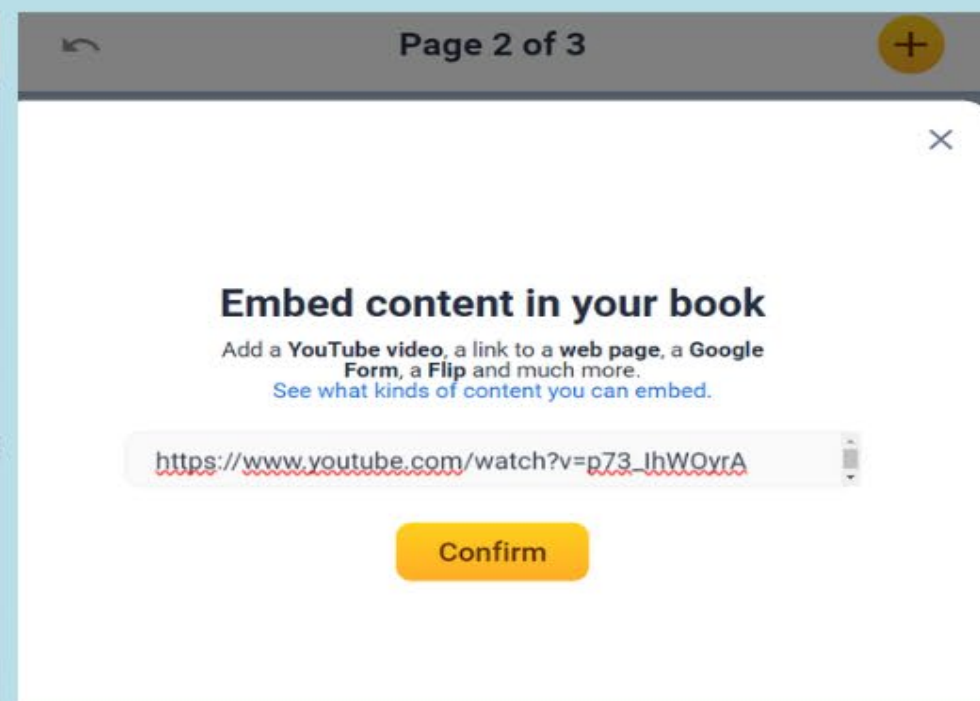
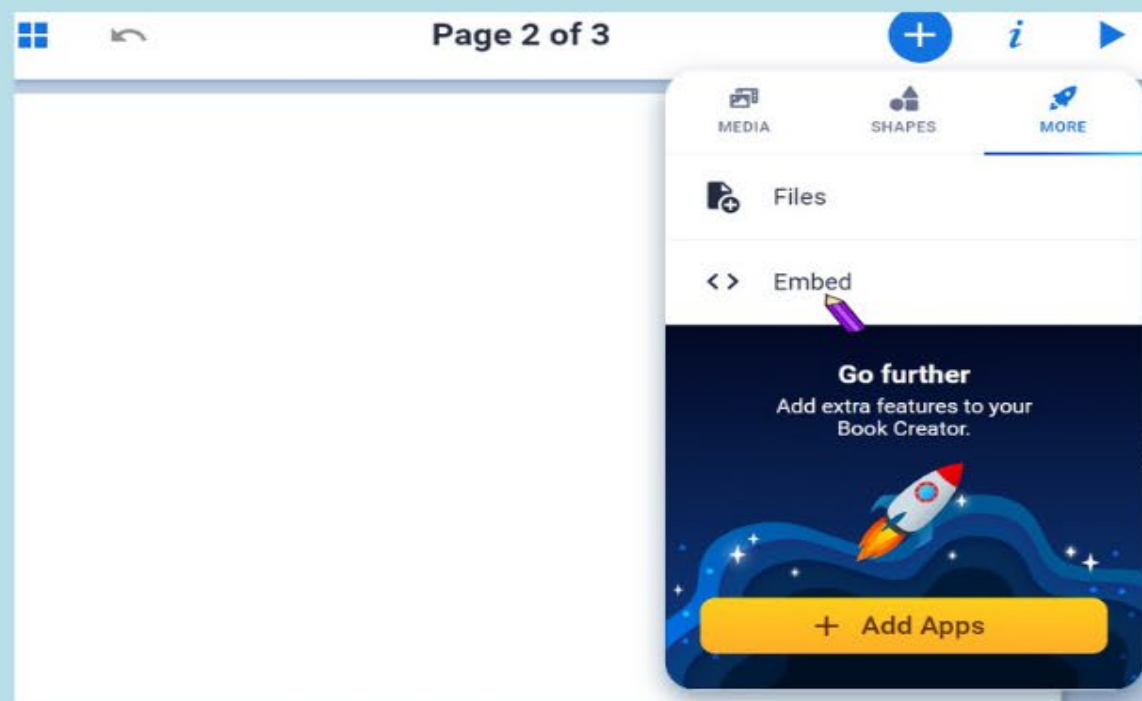
## ACTIVITY : BOOK CREATOR ( 텍스트 삽입하기 )



## ACTIVITY : BOOK CREATOR ( 이미지 삽입하기 )

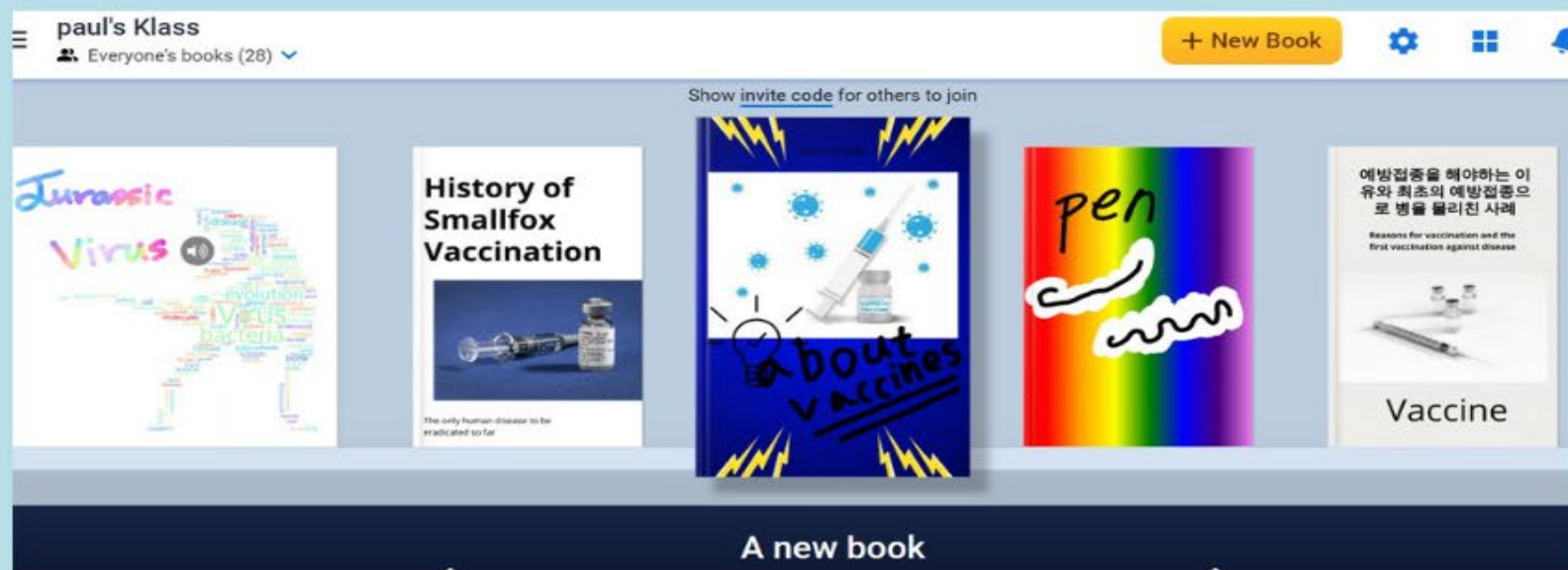


## ACTIVITY : BOOK CREATOR ( 동영상 및 웹페이지 삽입하기 )





# ACTIVITY : COMPLETE BOOK CREATOR

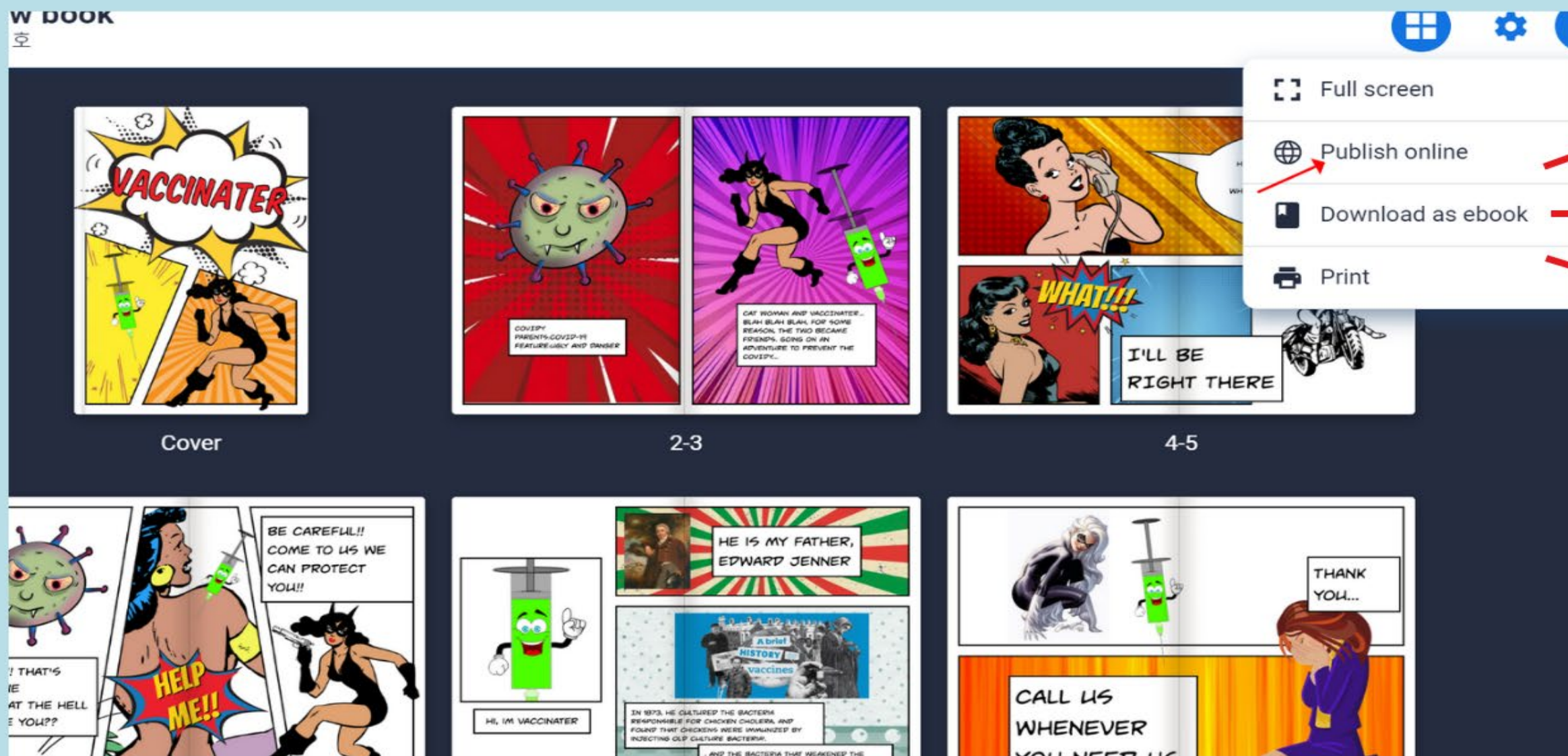


[illegible]

Another problem is the misperception that antibacterial hand sanitizers are much better at removing bacteria than soap cleaning. In general, 99% of hand washing with soap, 98% of hand sanitizers, and 90% of hand bacteria are removed even if you just wash them with water. Therefore, if you are worried about MERS, it is much better to wash everywhere with warm water for more than two minutes using regular soap.



## ACTIVITY : PUBLISH MY BOOK



Online 출판

E-book 으로 다운로드

종이 문서로 출력



## ACTIVITY : PUBLISH MY BOOK

BOOK DETAILS

ANALYTICS

TITLE

My first vaccine book

AUTHOR

My Name

DESCRIPTION (optional)

48/200

This book describes a short story of vaccination

Who can find this book


☒ Private ☐ Public

Your book can only be found with a private link. You choose who to share this book with and you can unpublish the book at any time.

Allow remixes?

☒ On ☐ Off

Remixing allows other teachers and students to download and edit a copy of this book. You will be credited as the original author on any remixes using a Creative Commons CC-BY 3.0 license. [Learn more.](#)



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Copy link 2

QR Code 3

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3. QR 코드를 통해서 E-book 읽기 가능



활동이 끝난 후 나의 소감을 패들렛에 적어봅시다.

