

# Collaboration and inquiry for the science classroom



## United Sustainable Development Goals in the classroom: A collaborative workshop

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# A focus on the UN SDGs

## Outline:

- Our experiences
- Group work
- Idea sharing
- Next steps



**SUSTAINABLE DEVELOPMENT GOALS**  
17 GOALS TO TRANSFORM OUR WORLD





# Our experiences with the UN SDGs



- ISSF 2018 Science fair teacher program
  - UN SDGs
    - Clean water, zero hunger, clean and affordable energy
  - Benefits
    - Collaboration across disciplines and institutions
    - Involved teachers in science math and humanities disciplines



# Clean cooking challenge



## What the students have to do

- Work in groups (between 3 and 5) with one adviser.
  - They have to create a menu with:
    - Introduction of the issue
    - How to cook (the recipe)
    - How to create the device
    - How to use it
  - Record a video (5min) with the recipe and the device.
- Eun-Young Choi, KSA (South Korea),
  - Rose Mary Butaran, PSHS (Philippines),
  - Komed Nachaeng, CUD (Thailand),
  - Philippe Jeanjacquot, Lycée Charlie Chaplin (France),
  - Thanyanan Phuphachong, MWIT (Thailand)
  - Hayato Higashi, TTH (Japan)

# At IMSA

2 ZERO HUNGER



11 SUSTAINABLE CITIES AND COMMUNITIES



6 CLEAN WATER AND SANITATION



3 GOOD HEALTH AND WELL-BEING



## Sustainable city documentary

- Create an idealized city
- Three main focus points:
  - Food Sustainability
  - Personal Health and Well-being
  - Waste Management and Water Security



0:16 / 37:16



# Find a group (5 min)

## 3 UN SDGs to choose:

- Good health and well-being
- Responsible consumption and production
  - Climate action

**3** GOOD HEALTH  
AND WELL-BEING



**12** RESPONSIBLE  
CONSUMPTION  
AND PRODUCTION



**13** CLIMATE  
ACTION



# Items to consider (25 min)

- What will be your area of focus?
- How it can be collaborative:
  - Within department
  - Between departments
  - Between schools
- What activities would you do?
- Make a rough timeline for how long you would need to prepare and carry out your proposed curriculum or project.
- What support would you need from your institution to make it a success?

# Shared resources

- **Google drive folder**

- <https://tinyurl.com/IMSANCSSS2019>
- **Access to presentation and SDG group files**

- **Collaboration and inquiry in the science classroom NCSSS 2019**  
**facebook group**

- <https://www.facebook.com/groups/2125577521082074/?ref=share>