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
Our experiences with the UN SDGs

• ISSF 2018 Science fair teacher program
  o UN SDGs
    • Clean water, zero hunger, clean and affordable energy
  o 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

Sustainable city documentary

- Create an idealized city
- Three main focus points:
  - Food Sustainability
  - Personal Health and Well-being
  - Waste Management and Water Security
Find a group (5 min)

3 UN SDGs to choose:

- Good health and well-being
- Responsible consumption and production
- 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
  o https://tinyurl.com/IMSANCSSS2019
  o Access to presentation and SDG group files

• Collaboration and inquiry in the science classroom NCSSS 2019
  facebook group
  o https://www.facebook.com/groups/2125577521082074/?ref=share