

# UN Sustainability Goals in the Classroom

MS. SARAH O'LEARY-DRISCOLL [SOLEARY@IMSA.EDU](mailto:SOLEARY@IMSA.EDU)

DR. CRYSTAL RANDALL [CRANDALL@IMSA.EDU](mailto:CRANDALL@IMSA.EDU)

DR. DON DOSCH [DDOSCH@IMSA.EDU](mailto:DDOSCH@IMSA.EDU)

# IMSA IMPACT APP

ALL COURSES RESEARCH IN2 PROJECTS PROGRAMS EVENTS

FILTERS ▾

## Scientific Inquiries - Biology

CLOSED

Class projects will be focusing on three areas of the UN SDG's

## Moving and Learning - Wellness

CLOSED

The wellness team promotes and helps students live a healthy active lifestyle through all our courses, as well as during open swim and fitness center

CLICK ON A PROJECT TO VIEW IT HERE



## Scientific Inquiries - Biology

Student projects are focused on three areas: Clean water, Clean energy, Quality education. In time, we hope to focus the projects more specifically on specific projects related to these SDGs.

### Led By

C. Randall  
D. Dosch  
S. Anjur

### UN Sustainable Development Goals



UN SDG Targets



**SUSTAINABLE  
DEVELOPMENT  
GOALS**

**1** NO  
POVERTY



**2** ZERO  
HUNGER



**3** GOOD HEALTH  
AND WELL-BEING



**4** QUALITY  
EDUCATION



**5** GENDER  
EQUALITY



**6** CLEAN WATER  
AND SANITATION



**7** AFFORDABLE AND  
CLEAN ENERGY



**8** DECENT WORK AND  
ECONOMIC GROWTH



**9** INDUSTRY, INNOVATION  
AND INFRASTRUCTURE



**10** REDUCED  
INEQUALITIES



**11** SUSTAINABLE CITIES  
AND COMMUNITIES



**12** RESPONSIBLE  
CONSUMPTION  
AND PRODUCTION



**13** CLIMATE  
ACTION



**14** LIFE  
BELOW WATER



**15** LIFE  
ON LAND



**16** PEACE, JUSTICE  
AND STRONG  
INSTITUTIONS



**17** PARTNERSHIPS  
FOR THE GOALS



  
**SUSTAINABLE  
DEVELOPMENT  
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FOR THE GOALS



# Practices

- Asking Questions  
Defining Problems
- Using Models
- Conducting Investigations
- Analyzing Data
- Using Mathematics
- Constructing Explanations  
Designing Solutions
- Arguing from Evidence
- Communicating Information

# Core Ideas

- Life Sciences
- Engineering & Technology
- Earth & Space Sciences
- Physical Sciences

- Patterns
- Causation
- Scale
- Systems
- Energy
- Structure & Function
- Stability & Change

# Crosscutting Concepts



- \* Context

Real world

- \* Connections

cross disciplinary

- \* Complexity

Societal issues, conflicting options, "messy" answers

- \* Creativity

problem solving!

# Student Panel

- WHAT HAVE YOU DONE IN YOUR CLASSES RELATED TO THE UNSDGS?
- WHAT WAS MOST INTERESTING ABOUT WHAT YOU LEARNED?
- HOW DO YOU THINK INCLUDING CONCEPTS SUCH AS THE UNSDGS WILL IMPACT EDUCATION AND STUDENTS' FUTURES?
- HOW DO INCORPORATE, OR THINK YOU COULD INCORPORATE THESE IDEAS INTO COURSEWORK? (QUESTION FOR STUDENTS AND PARTICIPANTS!)

# Scientific Inquiries in Biology: Video Project

- **A DESCRIPTION OF THE NON-IMPACTED ENVIRONMENT, AND HOW DO WE KNOW**
- **THE SCOPE OF HUMAN IMPACT, PROVIDING TWO DIFFERENT EXAMPLES**
- **DETAIL EACH EXAMPLE WITH SOURCE OR CAUSE OF IMPACT AND CONSEQUENCES THAT FOLLOW.**
- **PLANS/EFFORTS UNDERWAY INTENDING FOR REMEDIATION.**
- **YOUR POTENTIAL SOLUTIONS**

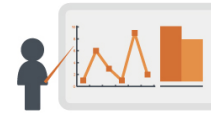


# Scientific Inquiries in Biology: Infographic

## INFOGRAPHICS

THE BENEFITS OF THEIR USE ONLINE

PRESENTERS WHO USE VISUAL AIDS ARE



**43% MORE EFFECTIVE**  
IN PERSUADING AUDIENCE  
MEMBERS TO TAKE A  
DESIRED COURSE OF ACTION



**90%**  
OF INFORMATION  
TRANSMITTED TO THE  
BRAIN IS VISUAL



**40%**  
OF PEOPLE  
RESPOND BETTER TO  
VISUAL INFORMATION  
THAN TEXT



TEXT = SHORT TERM MEMORY  
IMAGES = LONG TERM MEMORY



IT IS MUCH EASIER TO SHOW A CIRCLE  
THAN DESCRIBE IT



USERS HAVE  
TIME TO READ  
**28%** OF THE  
WORDS ON AN  
AVERAGE WEB  
PAGE AT MOST  
(20% IS MORE LIKELY)



**79%** OF USERS  
SCAN ANY NEW  
PAGE THEY  
COME ACROSS  
ONLY 16% READ  
WORD-BY-WORD



HIGH QUALITY  
INFOGRAPHICS  
ARE **30x**  
MORE LIKELY TO  
BE READ THAN  
TEXT ARTICLES



SOCIAL NETWORKS  
MOST POPULAR SITES  
RELY MAJORLY ON  
IMAGE POSTS  
INFOGRAPHICS CAN  
BE SHARED IN AN  
INSTANT



LOADING IS  
NO PROBLEM  
THEY CAN BE  
LOADED ON  
ANY DEVICE  
INSTANTLY



USE OF INFOGRAPHICS  
CAUSE A GROWTH OF  
**12%** IN SITE TRAFFIC  
ON AVERAGE

SOURCES:

"The Power of Visual Communication"

<http://www.dailymotion.com/infographics.html>

"Infographic Effectiveness Statistics"

<http://zenpalms.com/infographics/infographic-effectiveness-statistics-infographic/>

"How Little Do Users Read?"

<http://www.nngroup.com/articles/how-little-do-users-read/>



Read the full blog post @  
[kinocreative.co.uk/blog](http://kinocreative.co.uk/blog)