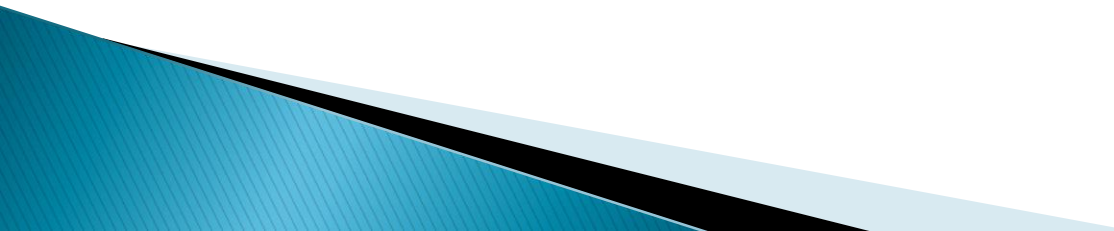


GRADE 11 SCIENCE PROJECT

UN Sustainable Development Goal Challenge



Grade 11 Science Project

- ▶ All grade 11 science students will be participating in a **group project**
 - ▶ This project addresses how science can assist in addressing one of the United Nations (UN) “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

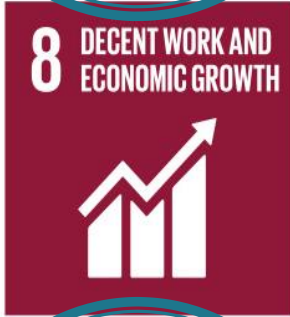


17 PARTNERSHIPS
FOR THE GOALS



**SUSTAINABLE
DEVELOPMENT
GOALS**

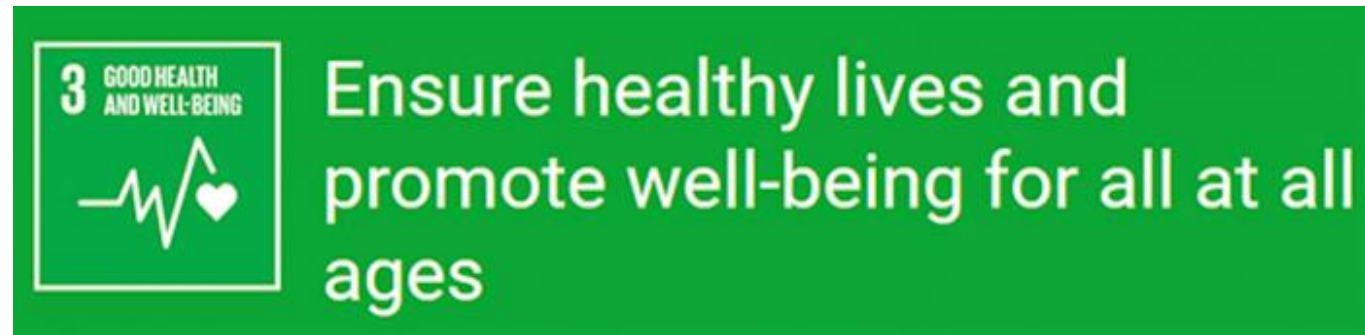








- ▶ The focus of this year's project is:

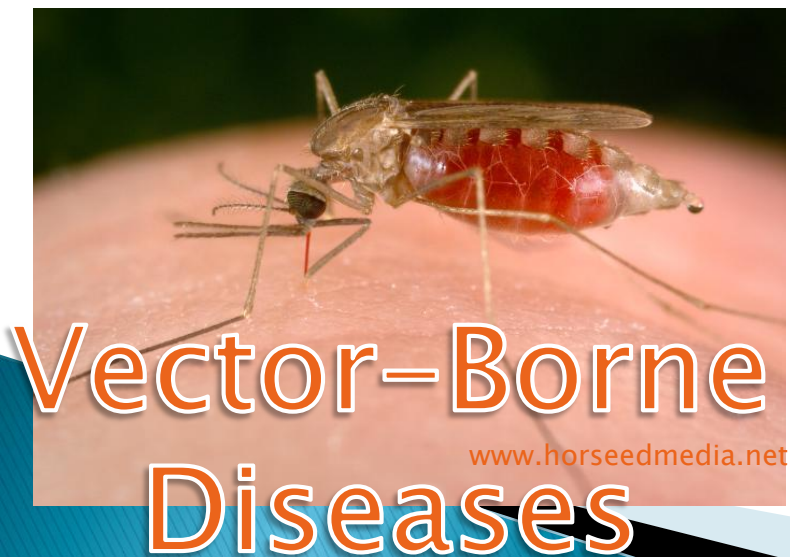


- ▶ Your challenge is to apply science to make an impact in one area of good health and well-being around the world.

Possible Areas of Focus: Preventable Deaths



Possible Areas of Focus: Communicable Diseases

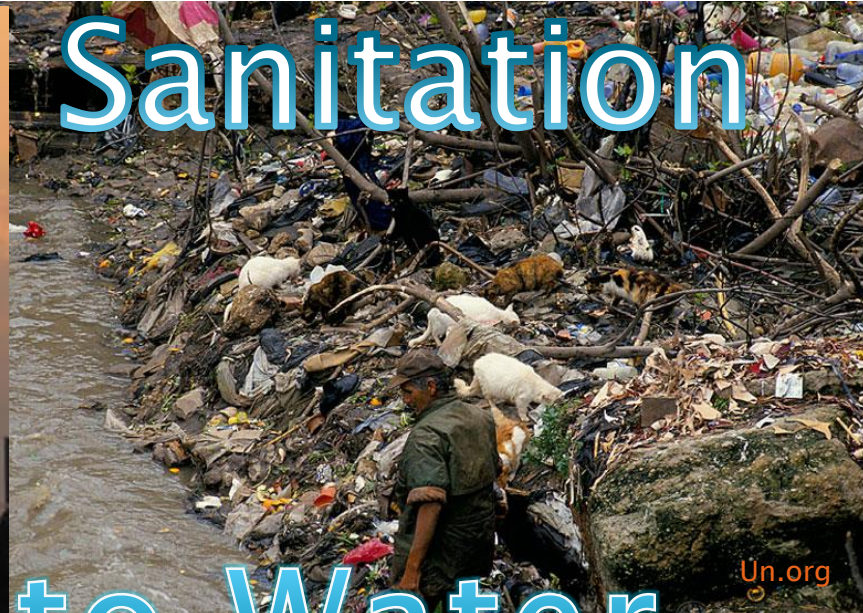


Possible Areas of Focus: Environmental Factors

Air Quality



Sanitation



Access to Water



Food & Nutrients

Water Quality

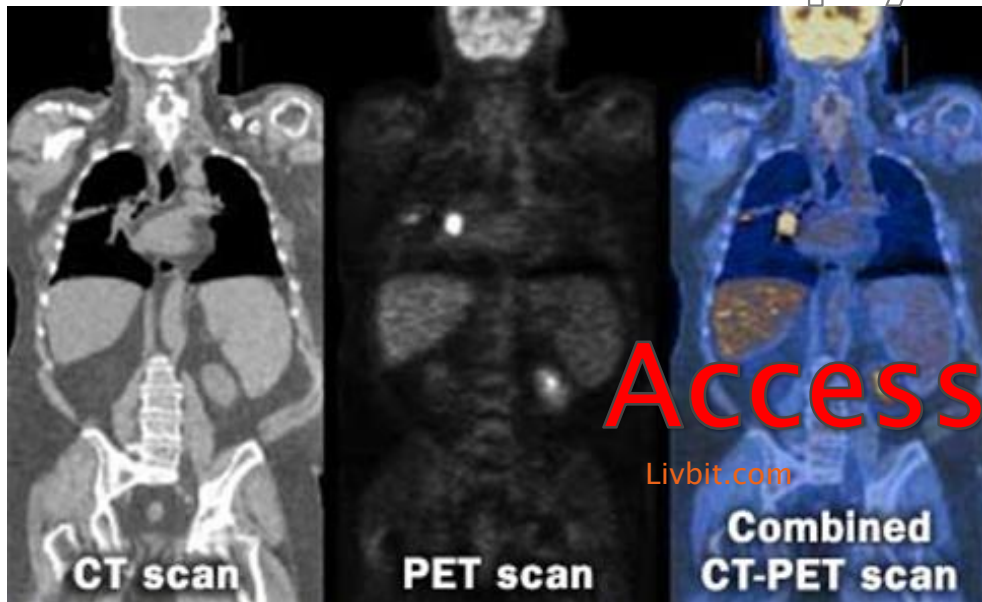
www.westsidetoday.com

Un.org

borgenproject.org

www.ithappensinindia.com

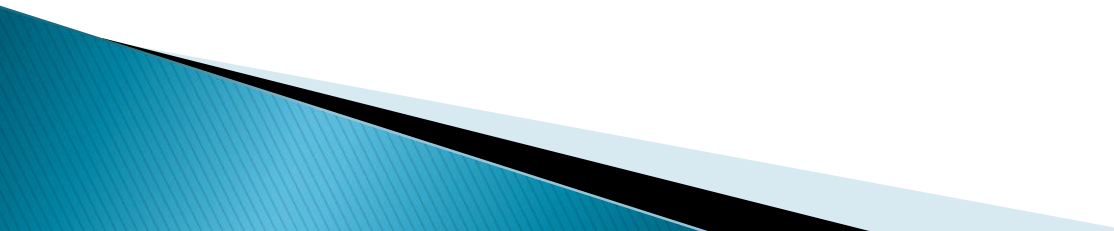
Possible Areas of Focus: Medical Technology Nuclear Imaging & Radiotherapy



Chemotherapy



Finished Product

- ▶ Your project will be a 2–3 minute video
 - ▶ It must describe:
 1. the specifics of the **problem**,
 2. the **solution** that you are proposing,
 3. and the **scientific implications** of using it.
 - ▶ You will also need to complete a written reflection
- 

Assessment

- ▶ You and your group will be assessed on the following criteria:

1. Self-Motivation and Perseverance
2. The Impacts of Science
3. Communication
4. Reflecting on the Process

- ▶ This project is worth 10% of your Term 3 grade.
 - If you are in multiple science 11 classes, this mark will count in each class.

Selecting Your Group

- ▶ Groups must contain 3–5 members
- ▶ Group members do not need to be in the same class
- ▶ Everyone in a grade 11 science class must participate
- ▶ You may select your own group, or you will be assigned a group

**GROUP FORMS OUTSIDE IB OFFICE
DUE Tuesday January 23rd 2018**



Key Benchmarks

▶ Now:

- Submit group form by **Jan 23rd** to envelope on IB office
- Think about the topic over the next few weeks

▶ Intro & Presentation Day

- Week of **February 5–9th**:
 - Keynote Speaker
 - Project Info and Planning Session

▶ EPIC Wednesdays

- **Wednesday, Jan 17th**
- Speaker: Ryan Hoskins MD, (Emergency Medicine, Tropical Disease Specialist)
- **Wednesday, Feb 14th & Wednesday, April 11th**
- Group Work Periods

▶ Final due date – **Monday April 23rd @ 8:30am**