**Healthcare: Interdisciplinary Unit (IDU)**

**MYP Science and Humanities**

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| **Unit Title:** | Health Systems |
| **Task Title:** | Presentation on the impact of disease |
| **Key Concept:** | Systems |
| **Related Concept:** | Development, Choice |
| **Global Context:** | Fairness & Development:   * **SYSTEMS are not always developed upon fairness and choice.** |

* **Grade 7 has been divided into groups of 3/4:**
* In your group you will be expected to conduct research into the transmission of a disease and explain what **SYSTEMS** are at work that cause and prevent disease.
* Your task will require that you work on developing both **Science and Humanities skills to make a presentation to your class, adults and other guests about the transmission of an infectious disease.**
* **Use the task sheet** to share the work and organize your presentation

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| **HUMANITIES** | **REQUIREMENTS** | * **CHECK** |
| **1.Research Question:**  Before you start your research, you need to know what it is you are trying to find out. You are not just collecting information - **you are trying to answer a question**. But which question? That is for you to decide. | * It must be open-ended, so that it cannot be answered with a yes or no. * It must be complex, so that you cannot answer it by ‘googling’ the name of the disease and copying the first information you find. * **By the end of the task, you must have clearly answered the question.** * **Use the Edublog to help with formulating a relevant question.** |  |
| **2. Make sure you include a MAP/s to show places and spaces you are investigating for your disease.** | * On a **map** **of the world** indicate which countries are affected by the disease and how it is **spread (transmitted) across boundaries.** * Provide information about the economic situation of each country you identify (is it an **LEDC or MEDC**? * What does this tell us about life in each  country?). * Remember the CIA World Factbook has lots of helpful information. |  |
| **3. Statistics and specific information relating to your disease and the transmission**   * Pathogen * Transmission * Symptoms * Prevention * Vaccines * Anti-biotic * Immunity * Death Rate * Life Expectancy * Literacy rate * GNP * Doctors for the population * Population * Access to water | * You need to find the number of cases that were reported concerning the disease. Find the most **up-to-date statistics**. * With this information **create graphs and tables**, consider:  - the number of cases vs. the number of deaths in the given year.  - the number of cases in different countries in that year  - maybe even increase and decreases in the disease over time.  - any other ideas? * You also need to include **population pyramids** for affected countries. You should print these out and **Interpret** what is shown in the pyramids. * Do the pyramids show how the disease is affecting the country? |  |
| **4. What is being done by science to address the problem caused by the disease?**     * This part can be done as an   iMovie and embedded in your presentation. | * **Describe** the ways in which **science is used** to address the problems caused by the disease. * **Describe** the ways in which **science is applied** to address the problems caused by the disease. * **Describe** the **implications** of the use of science and its application as they relate to the **Systems Compass (Nature, Society, Economy, Wellbeing).** |  |
| **5. What is being done to help the people in affected areas?**   * NGO work * WHO * Development levels * Education * Choices * Donations | * Other diseases/problems that exist there? * What work do these organizations do to help people who are affected by your disease? * Consider providing people some background/general information about the NGO/NGO’s - it might encourage them to go home and start donating money to people who are less fortunate then us. * You need to discuss the role of MEDCs in supporting LEDCs. |  |
| **6. Design and practice your presentation**  **NO LONGER THAN 8 minutes long!**   * + Prezi   + Film   + PPT   + Role plays   + Dialogue   + Visuals   + Notecards | After you have investigated all the areas you need to fully explain where, how and why your disease is transmitted then you can begin putting together a creative and interesting presentation.  Make time to practice!!! |  |

**Must keep a simple action plan to show who is responsible for what – you will have to turn this in on the day of your presentation. YOUR teacher will explain how this will work ☺**

**Resources that you can use:**

* **We will also visit the library!**
* **The Edublog** (Healthcare – IDU) has many useful resources!
* Look at NGO’s (<http://www.ngo.org/>) around the world - what they are doing to help the people deal with the different
* Example organizations include:
* World Vision (<http://www.worldvision.org/)>
* PLAN (<http://www.plan-international.org/)>
* Oxfam (<http://www.oxfam.org/)>
* WHO (<http://www.who.int/en/)>
* Red Cross (<http://www.redcross.int/>).