**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.**
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* **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**
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| **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.**
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| **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.
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| **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?
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| **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).**
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| **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.
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| **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/)](http://www.worldvision.org/%29)
* PLAN ([http://www.plan-international.org/)](http://www.plan-international.org/%29)
* Oxfam ([http://www.oxfam.org/)](http://www.oxfam.org/%29)
* WHO ([http://www.who.int/en/)](http://www.who.int/en/%29)
* Red Cross (<http://www.redcross.int/>).