**Mini-Research Project Rubric – Childhood Disease vs. Vaccination**

**Product:** Google presentation, shared with teacher, used to convey key info to the class in 5-7 min

* Key info to discuss with class is the risks of the disease vs. vaccination, & outbreaks

**Disease Requirements:** Examples of key information to include are listed below. Additional information specific to your assigned disease may be added.

1. **Statistics of disease occurrence prior to availability of vaccine:**
	* # of infected persons in the U.S. per year, # hospitalized, # of deaths/year, # of other specific severe complications such as encephalitis, blindness, permanent nerve damage, etc.
2. **Statistics post vaccine development:**
	* **Statistics of disease occurrence**: # of infected persons in the U.S. per year, # hospitalized, # of deaths/year, # of other severe complications such as encephalitis, blindness, permanent nerve damage, etc.
	* **Statistics of specific complications from vaccine administration:** redness at administration site or other reaction, etc.
	* **Have there been sporadic outbreaks in the United States?** If so, has the cause/source of the outbreak been identified?
3. **Basic Disease Facts:**
	* How transmitted
	* Symptoms and length of disease
	* Is treatment available?
	* Groups at high risk of getting the disease or of having complications from the disease and why
4. **Pictures of infected persons**
5. **Other visuals as appropriate:** graphs, maps, diagrams, etc.

**Vaccination Objection Requirements:**

1. What have been the **main objections/concerns to vaccinations**? Include the most commonly voiced **medical** risks/concerns. (Note – In this project we are not examining religious or personal preference objections. We are examining potential vaccination risks/side effects.) Examples of concerns could include:
	* **Autism** – Vaccinations causing autism has been one of the major objections. How did this objection get started? Explain how scientific studies support or refute this claim.
	* **Chemical/Element Ingredients** – Which ingredients commonly found in vaccines have been under examination? Are we exposed to these same elements in other ways daily? Explain how scientific studies support or refute these claims.
	* **You can get the disease/ get sick from the vaccine** – Is this true? Explain
	* **Many other objections/concerns**. List several and discuss their accuracy/fallacy.
2. **Types of Exemptions Allowed by States:** How many states allow each of the following main types of exemptions: medical, religious, personal preference? What exemptions does Iowa allow?
3. **What medical conditions** commonlyprevent vaccines from being administered?
4. **Statistics & Herd Immunity**
	* Statistics on increasing/decreasing vaccination levels within the U.S.
	* Herd Immunity –
		+ Define/explain the term.
		+ Discuss outbreaks that have occurred in the U.S. due to lowered vaccination/immunity levels. Include the disease & where “case zero” originated.
5. **Visuals as appropriate:** graphs, maps, diagrams, etc.

## References:

## Citations for information must be in MLA or APA format.

* Citations for **graphics.** For this short research project, citations for graphics can simply consist of the web link in a text box next to the graphic, or a “footnote” linking them to the works cited list.

**Period\_\_\_\_\_ Disease \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Names\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Grade\_\_\_\_**

**Mini Research – Childhood Disease vs. Vaccination**

**Positives. Way to go!**

**\*\*\*\*MAIN THINGS –Depth of info & understanding, graphics /visuals**



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| --- | --- |
| \_\_\_\_\_\_ | Depth of information. “Knew your stuff” – comfortable with the material. Many specifics.Defined unusual terms, tests. |
| \_\_\_\_\_\_ | Many coordinating graphics, directly referred to them, citations for graphics present |
| \_\_\_\_\_\_ | Information citations in proper format |
| \_\_\_\_\_\_ | Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**Suggestions:**

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| \_\_\_\_\_\_ | Need additional depth and specifics. Talk “beyond” bullets or script, to show understanding |
| \_\_\_\_\_\_ | Own words? Explain & define unusual words. Simplify wording to increase audience understanding. |
| \_\_\_\_\_\_ | Graphics: Additional graphics needed. Need direct referral to graphics to enhance their impact and usefulness. Graphics need citations. |
| \_\_\_\_\_\_ | More eye contact, less direct reading and/or louder voices |
| \_\_\_\_\_\_ | PowerPoint comments: Shorten bullets, greater contrast for font color to make easier to read |
| \_\_\_\_\_\_ | Missing source citations, or citations not in proper format |
| \_\_\_\_\_\_ | Unequal participation by group members (may impact individual grades) |