

PLTW MI



Vaccination Children's Book Project

Children are required to receive MANY vaccinations as they grow. These begin at 3 months of age and continue throughout their lifetimes. However, this is the number one reason children develop a fear of visiting the doctor.

Your mission is to create a children's book to explain the importance of vaccinations. You will be required to explain (on a young child's level) how vaccinations work and why they are so important. Your booklet should be at least 5 pages. You need to create characters, illustrations and a creative story line. It must be colored and written legibly. It must be done appropriately and professionally.

On **Monday December 9th**, you and your partner will sit in front of the class and read your story to us. You must imagine yourself presenting your books to a class of kindergarteners.

- The following structures should be included in your book, introduced as characters:
 - ❖ Macrophages
 - ❖ Antigen Presenting Cell
 - ❖ B-cells
 - ❖ Antibodies
 - ❖ Pathogens / Microbes
 - ❖ Memory cells
 - ❖ Lymph nodes
 - ❖ Antigen Presenting Cell
 - ❖ Helper & Killer T-cells
 - ❖ Cytokines
- The following topics should also be included in your book:
 - ❖ Different ways to administer vaccines
 - ❖ Importance of getting the vaccines
 - Vaccines being used to prevent disease
 - Vaccines being used to eradicate diseases
 - ❖ Some vaccines require “booster” shots
 - What are those and why do we need them?

Vaccinations - Children's Book Project Rubric

	10 points	7 points	5 points	3 points	0 points	Multiply by	Total point value
Presentation	Effectively presents information as if speaking to a kindergarten class; speaks clearly and animatedly; engages audience & shows book while reading it	Effectively presents information, but does not engage audience / show book OR does not speak clearly & animatedly	Ineffectively presents information. Does not engage audience / show book OR does not speak clearly & animatedly	Ineffectively presents information. Does not engage audience/show book AND does not speak clearly & animatedly	Not done	X2	
Accuracy of final product	Final product shows in-depth accurate information, including all immune structures involved and includes positive effects of vaccination and importance.	Final product shows accurate information, but omits one immune structure involved. Includes positive effects of vaccination	Final product shows deficient or inaccurate information; missing more than one immune structure involved OR omits positive effects of vaccination	Final product shows deficient or inaccurate information; missing multiple immune structures involved and omits positive effects of vaccination	Book not complete	X3	
Detail & Professionalism	Detailed story line is given. Book is beautifully colored, shows a high level of detail, is easy to understand and is visually appealing. Book is appropriate for Kindergarteners	Good story line is given. Book is colored, shows a good level of detail, is easy to understand and is visually appealing. Book is appropriate for Kindergarteners	Story line is not done well. Book is not colored or shows little detail. Book is not easy to understand or is not visually appealing. Book is appropriate for Kindergarteners	Story line is not done well. Book is not colored and shows little detail. Book is not easy to understand and is not visually appealing. Book is not appropriate for Kindergarteners	Book not complete	X3	
Creativity	Book, storyline, characters and illustrations show high amounts of creativity. Neat and organized.	Book, storyline, characters and illustrations show creativity.	Some creativity is shown in at least two of the following items: book, storyline, characters, and illustrations.	Little to no creativity is shown at all, or only shown in one of the following items: book, storyline, characters, and illustrations.	No creativity used in project or project not complete	X2	

GRADE: _____/100