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| Rubric for cell signaling poster | 10 | 7 | 4 | 1 |
| Background information on the pathway/drug | Disease symptoms, diagnosis, causes, treatments, are fully explained and presented. Population frequency/statistics of frequency are given. Life expectancy for faulty pathway/normal pathway are given. Photograph of person with faulty pathway/normal pathway. Poster provides additional interesting information | 2 pieces of the required information is not given | 3 pieces of the required information is not given | 4 or more pieces of required information is not given.  Did not meet requirements |
| Genetics/Chromosomes involvement versus environmental contributions | The genes and locations of the genes are accurately given. Description of inheritance pattern is given. Environmental influences on the pathway are given. | 1 piece of required information is not given | 2 pieces of required information is not given | 3 or more pieces of required information is not given. Did not meet requirements |
| explanation of signal transduction pathway for “healthy” or “natural” pathway | Diagram of the healthy pathway. Type of receptor used. Signal molecule. Secondary messengers. Specifics of cellular response and organismal response. | 2 pieces of required information is not given. | 3 pieces of required information is not given | 4 or more pieces of required information is not given. Did not meet requirements |
| Explanation of signal transduction pathway for the faulty pathway or introduction of unnatural pathway | Diagram of the faulty pathway. Type of receptor used. Signal molecule. Secondary messengers. Specifics of cellular response and organismal response. | 2 pieces of required information is not given. | 3 pieces of required information is not given | 4 or more pieces of required information is not given. Did not meet requirements Did not meet requirements |
| Graphics of pathway | Graphics of both the “normal” AND “diseased” pathway as well as pictures/diagrams which show symptoms, graphs, data, and tables show statistics. Graphics do a good job supporting material topics. | 2 pieces of required information is not given. | 3 pieces of required information is not given. | 4 or more pieces of required information is not given. Did not meet requirements |
| Current direction of research | Current research is detailed. Includes descriptions of current projects, where they are being done, along with a clear description of what researchers are trying to understand, what drugs are being tested and what their effects seems to be. | Current research is not detailed and no clear description of what researchers are trying to understand or what drugs are being tested | Research is Out of date or missing detail. Older than 10 years. | Did not meet requirements |
| Presentation of poster board | Very neat typed information. Content flows and is very detailed. Graphics and color choices engage audience. Good use of space. | 2 of the requirements are missing. | 3 of the requirements are missing. | Did not meet requirements |
| Work Cites Page on back of website | Student was on task during all research time. Did not require prompting to work and was using electronic devices appropriately. | Student required prompting to remain on task 2x. | Student required prompting to remain on task 3x. | Student required prompting to remain on task 4 or more times. Did not meet requirements. |