**Dog on a Mission Rubric**

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| Poster Design | 4 | 3 | 2 | 1 | 0 |
| **Dog picture: The dog picture is colored in with the harness/collar/vest etc. drawn onto the dog. The sensors are drawn on and labeled correctly.** | Dog picture looks colorful and professional. All sensors are placed in the correct areas and labeled legibly. | Dog picture is colored and looks professional. Dog sensors are labeled and legible, but are not necessarily located in the correct area on the dog to collect the most data. | Dog picture is colored and sensors and harness/collar/vest is drawn, but the sensors are not labeled. | Harness/collar/vest is drawn on the dog, but the picture is not colored and no sensors are drawn or labeled. | The dog drawing is blank, but included on the poster. |
| **Sensor description: A typed written description of each sensor is included on the poster. The description explains why you chose to use the sensor and explains the placement of the sensor. There is a picture of each sensor beside the description.** | The sensors are listed (typed) with a description of what the sensors do and why you placed them in their chosen location, along with a picture of each sensor | The sensors are listed (typed) and described, there is a picture of the sensors, but the placement is not explained | The sensors are listed and described, but there are no pictures or placement descriptions (or the sensors are listed with pictures, but there are no descriptions or placement explanations) | The sensors are listed (or there are pictures), but none of the other requirements are met | There are no sensors |
| **Project Information: The poster has a title, the dogs’ information is listed, the group members’ names are listed, and the class period and date are visible.** | Has all four requirements listed | Has three of the requirements listed | Has two of the requirements listed | Has one of the requirements listed | Has none of the requirements listed |
| **Appearance: The poster looks professional. There is not lots of empty space on the poster. The pictures and text are visible and readable. There are no grammatical or spelling errors.** | The appearance meets all the requirements | The appearance meets all the requirements except there is too much empty space on the poster | The appearance meets all the requirements except that there are 2+ grammatical/spelling errors | The appearance meets all the requirements except that there are 4+ grammatical/spelling errors | The poster does not look professional. The pictures and writing are too small, there are multiple spelling errors, and there is too much empty space |
| **Description paragraph:** **Describe your dog and the rescue mission they are on. Describe your design and how it will help your dog find the victims faster and help the dog stay safe. Explain how the sensors work and your choice of the sensor placement. Explain what housing you chose for the sensors (harness etc.) and why. Explain if your dog is an off leash/on leash dog.** | Has all five components answered with no spelling errors and correct use of grammar | Has four components answered with no spelling errors and correct use of grammar (or all five components with 1-2 spelling mistakes) | Has three components answered with 1-2 spelling and grammatical errors | Has two components answered with 3-4 spelling and grammatical errors | Has one or less components answered with more than 4 spelling and grammatical errors |
| **Prototype Design: The sensors are represented on the prototype. The prototype would fit your assigned dog. Your prototype makes sense for your dog’s breed and the disaster scenario. Your prototype looks neat and professional.** | Has all four components completed | Has first three components completed but the design does not look neat and professional | Sensors are represented and prototype would fit the dog, but it does not make sense for the breed or the disaster scenario | Sensors are represented but the prototype would not fit the dog, nor does the design make sense for the breed or the disaster scenario | Does not meet any of the four criteria |
| **Presentation** | 4 | 3 | 2 | 1 | 0 |
| **Explanation: All group members were able to explain their design, the dog and the disaster scenario. Group members could explain which sensors were selected, how they worked, where they should be placed, and why they were important to the design. Each group member talked during the presentation.** | All components were met and exceeded during the presentation | Group seemed knowledgeable about their design, but could not fully explain their sensors | Some group members seemed knowledgeable about the design, sensors, and scenario, but not all group members contributed | Only one group member could answer the questions and seemed knowledgeable about the design | The group seemed disorganized and was not able to defend or explain their design |
| **Group Evaluation: Group members score each other on their group participation (0 group member did not contribute, 10 group member contributed immensely** | Group Member 1: | Group Member 2: | Group Member 3: |  |  |