## ORAL EXPLANATION

1. Knowledge about problem to be solved:
   - extensive, goes beyond information displayed on project
   - can clearly explain why this problem was chosen
   - good, shows understanding information displayed on project
   - can somewhat explain why this problem was chosen
   - limited, shows incomplete understanding of information displayed on project
   - cannot explain why this problem was chosen

2. Understanding of invention:
   - can describe construction and testing in detail
   - can clearly explain how invention solves problem and any limitations
   - can clearly describe and explain contents of inventor's notebook
   - can independently suggest possible improvements
   - can generally describe construction and testing
   - can partially explain how invention solves problem and any limitations
   - can somewhat describe and explain contents of inventor's notebook
   - can discuss possible improvements when prompted
   - cannot describe construction and testing
   - cannot explain how invention solves problem and any limitations
   - can somewhat describe and explain contents of inventor's notebook
   - cannot discuss possible improvements

## PROJECT & DISPLAY

1. The model of the invention:
   - is very well constructed and sturdy
   - works as described
   - is somewhat well constructed and sturdy
   - works mostly as described
   - is not well constructed or sturdy
   - does not work as described

2. The inventor's notebook:
   - is very clear and complete
   - includes numerous illustrations
   - is mostly clear and complete
   - includes a few illustrations
   - is mostly unclear or incomplete
   - includes no illustrations

3. The display is:
   - very neat and attractive
   - somewhat neat and attractive
   - not neat and attractive

4. Help/support:
   - at least 3 information sources, correctly cited
   - outside sources of items clearly stated
   - all help clearly acknowledged on display
   - information sources fewer or incorrectly cited
   - outside sources of items partially acknowledged
   - some acknowledgement of help
   - information sources not given
   - outside sources of items not stated
   - help not acknowledged