

FAIRBANKS DISTRICT SCIENCE FAIR JUDGING CRITERIA INVENTION

CRITERION FOR ORAL EXPLANATION: The student(s) communicate(s):			
1. KNOWLEDGE ABOUT PROBLEM THE PROJECT INTENDS TO SOLVE	*extensive, knows more information than displayed on project *can explain why this problem was chosen	*good understanding, information is equal to that displayed on project *can explain why problem what chosen but does not relate to invention	*less understanding *unclear about info. on project. *cannot explain need for this invention
2. UNDERSTANDING OF WHAT THE INVENTION IS SUPPOSED TO DO, AND HOW IT OPERATES	*can describe every detail of construction and testing *can explain choice of materials used, and defend their use. *gives credit for construction help given	* can describe some detail of construction and testing *somewhat explains choice of materials *can somewhat defend their choice * somewhat acknowledges construction help given	*cannot explain construction or does so poorly *does not know why certain materials were used *does not acknowledge help given
3. DESCRIBES CONTENTS OF INVENTOR'S NOTEBOOK	*describes why/ how design modifications were made * shows sketches of early designs	*somewhat describes why/how design modifications were made	* does not describe earlier designs or modifications
4. SHOWS INTEREST IN IMPROVING THE INVENTION FURTHER ABOUT TOPIC	*can describe continuing flaws *enthusiasm about invention *will research further *plans to refine/improve invention	*somewhat describes continuing flaws *likes project *may research further to improve invention	*cannot describe flaws *ambivalent about project *little or no plans to improve invention
CRITERION FOR DISPLAY: The student(s) project contains:			
1. THE WRITTEN EXPLANATIONS SHOW:	*focused on clearly identifiable need for invention * the materials list provided is clear and complete *the procedure for building invention is clear and complete *the method for operating invention understandable and complete * the Inventor's Notebook is clearly written, thoroughly done	*focused on several unrelated needs *the materials list is somewhat complete *the procedure for building invention is mostly clear and complete *the method for operating invention is mostly understandable and complete *the Inventor's Notebook is present, but not complete or thoroughly done	*not focused, or based on unclear need for invention *materials list is incomplete *the procedure for building is not clear or complete *the method for operating invention is not understandable or complete *the Inventor's notebook is not present or poorly done
2. THE DISPLAY ABOUT THE INVENTION	*is very attractive and easy to read	*somewhat attractive and easy to read	*not attractive or easy to read
3. THE MODEL OF THE INVENTION IS	*well constructed and sturdy * works as described	*somewhat well constructed and sturdy * almost works as described	*not well constructed or sturdy *does not work as described
4. SOURCES OF INFORMATION AND HELP GIVEN ARE	*numerous and well cited	*few and/ or cited poorly	*not given
JUDGES COMMENTS ON BACK			

AWARD

1ST

2ND

3RD