

INTERIOR ALASKA SCIENCE FAIR JUDGING CRITERIA DEMONSTRATION/MODEL OF SCIENTIFIC PRINCIPAL

CRITERION FOR ORAL EXPLANATION: The student(s) communicate(s):				AWARD	
1. KNOWLEDGE ABOUT PRINCIPLE AND DEMONSTRATION	*extensive, knows more information than displayed on project	*good understanding, information is equal to that displayed on project	*less understanding *unclear about info. on project.		1ST
2. UNDERSTANDING OF SCIENTIFIC PRINCIPAL AND WORKINGS OF MODEL	*original model * demonstrates clearly understood scientific principal	*model is from published resource *demonstrates mostly understood scientific principal	*model not focused or incorrect *demonstrates misunderstood scientific principle		
3. THE DEMONSTRATION IS BASED UPON:	* thorough research from more than one resource	*some research from one resource	*little or no research		3RD
4. SHOWS INTEREST IN LEARNING MORE ABOUT TOPIC	*enthusiasm about project *will research further *plans to refine/improve model	*likes project *may research further to improve model/understanding	*ambivalent about project *little, or no plans to improve model, understanding		
CRITERION FOR DISPLAY: The student(s) project contains: *unclear or too broad					
1. THE SCIENTIFIC PRINCIPLE IS:	*very clear and observable from operation/observation of model	*somewhat clear or more than one principle demonstrated	*unclear or too broad to easily understand principal demonstrated		
2. HOW THE MODEL RELATES TO THE PRINCIPLE IS:	*very clear, 3 dimensional, or carefully done 2-D sketches	*somewhat clear, 2 dimensional	*unclear, does not match principle, or inappropriate for principle.		
3. THE DEMONSTRATION OF THE MODEL IS:	* very appropriate to principle *thoroughly/carefully done * can be repeated many times	*somewhat appropriate to principle * somewhat carefully done * can be repeated only once	*does not match principle *incomplete, carelessly done *is flimsy and/or breakable		
4. THE WRITTEN CONCLUSIONS:	*explain both principle and mode *correctly explain relationship of model to principal	*somewhat explains principle and model. *somewhat explains relationship of model to principal	* does not explain principle or model thoroughly or correctly * explanation is not consistent w/ model *does not mention model		
6. THE DISPLAY REFLECTS:	*writing/illustrations, model original to student *extremely attractive, ,accurate *excellent organization and easy to understand/follow *lists of help and references visible and numerous	*writing/ illustrations , model are mostly student's work *project is attractive, mostly accurate *mostly organized, somewhat easy to understand/follow * lists of few helpers and references included but not easily visible	*writing and illustrations from published/internet sources *exhibits poor age app. spelling/grammar *unorganized and difficult to read *model manufactured or purchased *no lists of helpers or references are included anywhere on project.		

JUDGES COMMENTS ON BACK