

Results of Student Interest Inventory

Directions: Record the names and numbers of students who indicated an interest in each topic below.

Electricity	Rocks	Chemistry
Names:	Names:	Names:
Checked Topic:	Checked Topic:	Checked Topic:
Circled Topic:	Circled Topic:	Circled Topic:
Sound	Weather and Clouds	Computers
Names:	Names:	Names:
Checked Topic:	Checked Topic:	Checked Topic:
Circled Topic:	Circled Topic:	Circled Topic:
Light	The Future	Robots
Names:	Names:	Names:
Checked Topic:	Checked Topic:	Checked Topic:
Circled Topic:	Circled Topic:	Circled Topic:
Motion and Force	Health	Reptiles
Names:	Names:	Names:
Checked Topic:	Checked Topic:	Checked Topic:
Circled Topic:	Circled Topic:	Circled Topic:

Scheduling STAR Days

Directions: Use this handout to help you schedule your students' STAR day presentations. You may wish to only schedule 1-2 per day, depending on the length of time that you have available.

Group Name	Group Members	STAR Topic	Description of Planned Activity	Date Scheduled	Notes/Comments

Tell Me More! Classroom Summary

Directions: Use the following chart to record STAR topics for which each student submitted Student Handout 5: Tell Me More!

[illegible]

Student Debate Score Sheet

Debate Score Sheet for: _____			
Topic: _____			
Question: _____			
Student Team: ____ Pro ____ Con			
Fact Presented: _____			
Type of Source Used: _____			
	A Lot (3 Points)	Somewhat (2 Points)	A Little (1 Point)
Does the fact help the team?			
Is the fact from a reliable source?			
Can the student defend the fact?			
Total Score:			
Comments/Feedback:			

Team Debate Score Sheet

Topic: _____		
Question: _____		
Student Team: ____ Pro ____ Con		
Name of Presenter	Score	Comments
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
Total Score:		
Comments/Feedback: <div style="height: 100px; border: 1px solid black; margin-top: 5px;"></div>		

Decision Table

Group Name: _____

GEM Topic: _____

How do we _____

Solutions	Is the solution logistically feasible (is there time, money, and access to required resources)?	Will it have an impact on solving the problem? (Yes/No)	Will others support it? (Yes/No) Who?

Sample Grading Rubric

Name of Student: _____

GEM Topic or Problem: _____

Directions: Circle the score that best represents the student's work.

Section		Criteria	Not Present	Developing	Adequate	Excellent
				<i>Present but Needs More Development</i>	<i>Meets Expectations</i>	<i>Exceeds Expectations</i>
Section 1	Exploring Like a Scientist	The student completed an interest inventory and helped to plan and implement the group's STAR Day. The student has stated reasons for being interested in the topic and identified a few ways to learn more about the topic.	0 points	4 points	8 points	10 points
Section 2	Introducing My GEM Topic	The student has stated reasons for being interested in the topic and identified a few ways to learn more about the topic.	0 points	4 points	8 points	10 points
Section 3	Knowing My GEM Topic	The student has identified an appropriate number of facts. If appropriate, the student has identified sources correctly (Student Handout 8b).	0 points	4 points	8 points	10 points
Section 4	Investigating My GEM Topic	The student has completed the investigation plan, recording the results and reaching logical conclusions.	0 points	4 points	8 points	10 points
Section 5	Science Safaris	The student has completed an appropriate number of Science Safaris. The student documents the Science Safaris with an appropriate amount of reflection.	0 points	4 points	8 points	10 points