

Scoring: Rubrics

Rubric 1: Evaluating the Creativity of the Solution or Presentation

This rubric has been provided to help Appraisers determine into what point range an aspect of a solution or Presentation falls. Appraisers do not have to use this tool; however, Appraisers must appraise teams consistently throughout the tournament. If this rubric is used by a given Appraiser, it should be used throughout the tournament; if an Appraiser uses another evaluative method, that method and its standards should be employed throughout the tournament.

RUBRIC FOR EVALUATING CREATIVITY OF SOLUTION/PRESENTATION

Qualities	1-30 points
<ul style="list-style-type: none">• Creativity is present and it's somewhat enhanced• The solution applies• Attempt at application• Solved with marginal addition	1-8
<ul style="list-style-type: none">• Creativity is present and it's relevant• There is a theme• The solution is complete• Solved with related elements	9-16
<ul style="list-style-type: none">• Creativity is present and it's integrated• There is synthesis• Chiefly original work• Solved with integration	17-23
<ul style="list-style-type: none">• Creativity is there and it's innovative• AHA! WOW!• Unrelated elements synthesized to create a new idea• Solved by innovation	24-30

Rubric 2: Evaluating the Creative Use of Materials

This rubric has been provided to help Appraisers determine into what point range the creativity of the team's use of materials falls. Appraisers do not have to use this tool; however, Appraisers must appraise teams consistently throughout the tournament. If this rubric is used by a given Appraiser, it should be used throughout the tournament; if an Appraiser uses another evaluative method, that method and its standards should be employed throughout the tournament.

RUBRIC FOR EVALUATING THE CREATIVE USE OF MATERIALS

Qualities	1-30 points
<ul style="list-style-type: none">• Some materials are used in common ways• Minimal integration of materials into Presentation	1-8
<ul style="list-style-type: none">• Materials are used, but few in unusual ways• Materials are rarely combined• Some integration of materials into Presentation	9-16
<ul style="list-style-type: none">• Materials are used, several in unusual ways• Several materials are combined, but rarely more than once• Presentation is enhanced by one or more materials	17-23
<ul style="list-style-type: none">• Most materials are used in unusual ways• Many materials are used in combination, several more than once• Materials are integrated into Presentation in humorous, unusual ways. Presentation more exciting because of the creative use of materials.	24-30

Rubric 3: Evaluating Teamwork

This rubric has been provided to help Appraisers evaluate the teamwork exhibited by the team. Appraisers do not have to use this tool; however, Appraisers must appraise teams consistently throughout the tournament. If this rubric is used by a given Appraiser, it should be used throughout the tournament; if an Appraiser uses another evaluative method, that method and its standards should be employed throughout the tournament.

When observing **Teamwork**, the following elements become evident:

1. Cooperative Spirit:
 - Positive attitudes and reinforcement of all team members
 - Absence of negativism
2. Team-Identified Roles:
 - Tasks may be divided equally among the team.
 - A leader's role is identified immediately or at some point in time
 - Roles may have been pre-assigned prior to arrival at Challenge site
3. Acceptance of Ideas of Others
 - Sharing of ideas
 - Acceptance of ideas of others
4. Diversity of Ideas
 - Numerous ideas
 - Ideas discarded and implemented
5. Ability to work through disagreements in a constructive rather than destructive manner
6. Ability to work on a solution together utilizing the combined skills of all team members
7. Ability to come to consensus for the purpose of solving a problem

RUBRIC FOR EVALUATING TEAMWORK

Qualities	1-30 points
<ul style="list-style-type: none"> • Dominating individual who limits participation of others • Cooperation is minimal • Little sharing of ideas 	1-8
<ul style="list-style-type: none"> • Some evidence of individual team member roles • Some cooperation • Some evidence of accepting ideas of others 	9-16
<ul style="list-style-type: none"> • Acceptance of team roles above average • Good cooperation • Sharing and acceptance of ideas of others 	17-23
<ul style="list-style-type: none"> • Leadership and team roles are easily identified • Diversity of skills mutually respected and evident • Team dynamics are exemplary 	24-30

The Tale of the Invisible Appraiser

or

“Why Appraisers need to use the entire scoring range!”

Meet three Appraisers, Bob, Mary and Ted

They will be evaluating four teams today. For the purpose of this demonstration, they will be scoring only six subjective items. Each item is worth 1-30 points, using Uniform Subjective Scoring.

ITEM	Actual Value	USS 1-30 value	Bob				Mary				Ted			
			USS scores: 1-30 scale				USS scores: 1-30 scale				USS scores: 1-30 scale			
	Up to	Up to	Team A	Team B	Team C	Team D	Team A	Team B	Team C	Team D	Team A	Team B	Team C	Team D
1	20	30	27	15	5	12	25	22	15	5	27	25	25	27
2	20	30	22	17	8	14	15	25	5	18	26	25	26	26
3	15	30	24	13	6	12	10	20	6	14	28	26	24	25
4	20	30	28	14	7	16	14	27	6	8	28	23	26	25
5	30	30	27	12	4	12	10	18	20	5	29	26	26	27
6	15	30	23	13	3	11	24	15	3	12	28	27	25	26

Notice that Bob and Mary use just about the entire 1-30 scoring range. It's not that they don't like what some teams have created. Rather, their internal criteria permit them to use the entire scoring range. Ted, on the other hand, doesn't want to hurt any of the teams' feelings by scoring them low. Ted prefers to keep the numbers high and only uses the 25-30 range.

The scoresheets next go to the Number Cruncher, who scales the USS scores back to the actual values.

ITEM	Actual Value	Bob				Mary				Ted			
		Raw scores: Actual Values				Raw scores: Actual Values				Raw scores: Actual Values			
	Up to	Team A	Team B	Team C	Team D	Team A	Team B	Team C	Team D	Team A	Team B	Team C	Team D
1	20	18.00	10.00	3.33	8.00	16.67	14.67	10.00	3.33	18.00	16.67	16.67	18.00
2	20	14.67	11.33	5.33	9.33	10.00	16.67	3.33	12.00	17.33	16.67	17.33	17.33
3	15	12.00	6.50	3.00	6.00	5.00	10.00	3.00	7.00	14.00	13.00	12.00	12.50
4	20	18.67	9.33	4.67	10.67	9.33	18.00	4.00	5.33	18.67	15.33	17.33	16.67
5	30	27.00	12.00	4.00	12.00	10.00	18.00	20.00	5.00	29.00	26.00	26.00	27.00
6	15	11.50	6.50	1.50	5.50	12.00	7.50	1.50	6.00	14.00	13.50	12.50	13.00

In the score room, the scores of all three Appraisers are compiled to arrive at a final ranking.

ITEM	Actual Value	All Appraisers				Without Ted				Without Bob			
		Compiled Scaled Scores				Compiled Scaled Scores				Compiled Scaled Scores			
	Up to	Team A	Team B	Team C	Team D	Team A	Team B	Team C	Team D	Team A	Team B	Team C	Team D
1	20	17.56	13.78	10.00	9.78	17.33	12.33	6.67	5.67	17.33	15.67	13.33	10.67
2	20	14.00	14.89	8.67	12.89	12.33	14.00	4.33	10.67	13.67	16.67	10.33	14.67
3	15	10.33	9.83	6.00	8.50	8.50	8.25	3.00	6.50	9.50	11.50	7.50	9.75
4	20	15.56	14.22	8.67	10.89	14.00	13.67	4.33	8.00	14.00	16.67	10.67	11.00
5	30	22.00	18.67	16.67	14.67	18.50	15.00	12.00	8.50	19.50	22.00	23.00	16.00
6	15	12.50	9.17	5.17	8.17	11.75	7.00	1.50	5.75	13.00	10.50	7.00	9.50
Final Ranking		91.95	80.56	55.18	64.90	82.41	70.25	31.83	45.09	87.00	93.01	71.83	71.59
Place		1	2	4	3	1	2	4	3	2	1	3	4

Now, watch Appraiser Ted DISAPPEAR!

When you remove Ted's scores, notice that the final ranking does not change. It was not impacted by him because he used such a small scoring range. He may as well have been invisible. However, if you remove the scores of Bob, who used the entire scoring range, the final rankings change significantly for two teams. *Note: In real tournament conditions, with more Appraisers and more scoring items, this phenomenon is much more pronounced.*

The moral of this story is: Use the entire scoring range or you will become an invisible Appraiser, too!