

UWI MATH FAIR 2024

CREATIVITY COMPETITION

GUIDELINES AND RUBRIC

There are three areas of the Creativity Competition; (i) Oral Expression; (ii) Art, Craft, Design, and (iii) Meme/Cartoon/Comic Strip. A student may have submissions in more than one of these areas.

Oral Expression/ Musical Piece (Spoken Word/Poetry/Extempo/Soca/Chutney/Calypso/Reggae etc.)

- A student may submit a video file (.mp4 or .wav) or audio file (.mp3) that is between 2 minutes and 8 minutes in duration.
- Themes for the submission are as follows:
 - Past, Present and Future... Mathematics.
 - Maths in Different Professions.
 - Maths in Caribbean Cultural Expressions.

Participant may choose one (1) of the themes mentioned above.

- Plagiarism will result in immediate disqualification of the submission. For the purpose of this competition, plagiarism includes, but is not limited to, the following:
 - Submitting work produced by another person or group.
 - Copying words or ideas from work produced or written by another source without giving credit;
 - Changing words but copying the sentence structure from work produced or written by another source without giving credit.
- Please submit a filled-out copy of the permission slip which is available on the webpage: <https://www.uwimathfair.com/math-creativity-competition>

The organisers reserve the right to disqualify anyone who does not submit a filled-out permission slip.

The file name should state:

UWI MATH FAIR 2024 ORAL EXPRESSION/MUSICAL PIECE- FirstnameSurname_School_Nation.

Scoring

For each category, there are two phases of adjudication.

1. Submissions are marked using a rubric, where they are judged on the Likert scale; Poor, Fair, Good, Very Good and Excellent with respective scores 1, 2, 3, 4 and 5. The following are specific points each category is judged on:

Oral Expression	Art, Craft and Design	Meme/Cartoon
Knowledge	Knowledge	Knowledge
Presentation	Visual Impact	Visual Representation (Humour/Irony)
Craftsmanship of Composition	Strength of Composition/ Organization	Originality and Innovation
Organisation Structure	Effectiveness of piece in conveying theme/concept.	Relevance and Mathematical Applications
Originality and Innovation	Originality and Innovation	
Relevance and Mathematical Applications	Relevance and Mathematical Applications	
Vocal Expression – Diction, Emphasis/ Phrasing and Tonality.		

2. In the case of any ties, the corresponding submissions will be further assessed by a panel of judges. Each judge will rank the various top submissions that were tied.

CATEGORY	5 – Excellent	4-Very Good	3 – Good	2 - Fair	1 - Poor	Weighting
Knowledge	Details are specific with highly commendable mathematical content and provide a clear understanding of the student's position on the topic.	Details provide a moderately clear insight into the student's position on the topic as well as a commendable level of mathematical content.	An average level of details and mathematical content is provided as well as an average insight into the student's position on the topic	Vague details and mathematical content offer only limited insight into the student's position on the topic.	Details and mathematical content are inappropriate or insufficient for understanding the student's position on the topic.	2
Presentation	Students' artistic delivery is highly appropriate and impactful through engaging facial expressions and gestures.	Students' artistic delivery shows a considerable level of appropriateness and impact. Student's also showcase commendable use of facial expressions and gestures.	Sufficient artistic delivery through an average level of appropriateness and impact, as well as average use of facial expressions and gestures.	Below average in appropriateness and impact, as well as below average use of facial expressions and gestures.	Minimal levels in appropriateness and impactful as well as little or no use of facial expressions and gestures.	1
Craftmanship of Composition	Highly sophisticated and effective use of rhetorical devices to fully convey the message of the piece and create impact.	Commendable and effective use of rhetorical devices to fully convey the message of the piece and create impact.	Average use of rhetorical devices to fully convey the message of the piece and create impact.	Limited appropriate use of rhetorical devices to fully convey the message of the piece and create impact.	Little or no use of appropriate rhetorical devices to convey the message of the piece and create impact.	1

<p>Organization and Structure</p>	<p>Oral Piece is very well organized with an introduction that progresses well to a clear conclusion that effectively supports the student's position on the topic.</p>	<p>Oral Piece is well organized with an introduction that progresses well to a clear conclusion which provides adequate support for the student's position on the topic.</p>	<p>Oral Piece has an average level of organization with issues related to the introduction, progression of ideas and conclusion as well as limited support for the student's position on the topic.</p>	<p>Oral Piece has a below average level of organization with issues related to the introduction, progression of ideas and conclusion as well as limited support for the student's position on the topic.</p>	<p>Organization is ineffective with confusing or missing introduction and/or conclusion as well as incoherent progression of ideas.</p>	<p>1</p>
<p>Originality and Innovation</p>	<p>Submission demonstrates out-of-the-box originality and creativity. The ideas are innovative and appropriate to the theme.</p>	<p>Submission shows amazing originality with very few ideas being similar to it. It demonstrates a more-than-moderate amount of innovation.</p>	<p>Submission highlights originality to a known topic. It demonstrates a moderate amount of innovation.</p>	<p>Fair amount of originality. The submission can be considered to demonstrate an everyday norm.</p>	<p>Submission lacks originality and innovation.</p>	<p>1</p>
<p>Relevance and Mathematical Applications</p>	<p>Oral Piece is intricately connected or appropriate to the mathematics field. It is current and it expressed the application of mathematics.</p>	<p>Oral piece encompasses the main idea of the mathematics field it is about. The piece expressed the application of mathematics.</p>	<p>Oral Piece is moderately connected or appropriate to the mathematics field. It expressed the application of mathematics.</p>	<p>Oral Piece is fairly related to the mathematics field.</p>	<p>Oral Piece is not related or applicable to anything in the mathematics field.</p>	<p>2</p>

<p>Vocal Expression – Diction, Emphasis/Phrasing and Tonality.</p>	<p>Very clear diction with highly appropriate emphasis/phrasing and highly suitable/effective use of tone.</p>	<p>Clear diction with appropriate emphasis/phrasing and suitable/effective use of tone.</p>	<p>Moderately clear diction where some words are lost, but there is adequate emphasis/phrasing, as well as moderate tonal suitability and effectiveness.</p>	<p>Significant concerns with diction where multiple words are lost, and/or some lines of inappropriate phrasing/emphasis or there is questionable tonal suitability and effectiveness.</p>	<p>Very significant concerns with diction where many words are lost and/or there are many lines of inappropriate phrasing/emphasis or little or no tonal suitability and effectiveness.</p>	<p>2</p>
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Art (Drawing/Painting), Craft and Design

3. Participants are required to create an original drawing/painting for the relevant topic:
4. Themes are as follows:
 - Past, Present and Future... Mathematics.
 - Maths in Different Professions.
 - Maths in Caribbean Cultural Expressions.

Participant may choose one (1) of the themes mentioned above.

5. Each art submission must be given an appropriate title and must be accompanied by a brief explanation about the piece in a 30 – 60 second video. The video should also provide appropriate angles and close-ups of the piece. A clear still image (JPEG/PNG) must also be attached to the submission.
6. Hand-drawn, painted, digital art, diorama pieces are allowed.
 - Hand-drawn or painted pieces must not be smaller than Letter size (8.5” x 11”).
 - Digital pieces should have a canvas size with a minimum of 2000 pixels on the long side and 1200 pixels on the short side.
7. Any graphic or explicit content submitted will result in immediate disqualification.
8. Videos of art pieces must be submitted (in MP4 file format) to www.tiny.cc/MathCreativity. The file name should state: UWI MATH FAIR 2024 ART – FirstnameSurname_School_Nation

Art, Craft and Design Rubric

Student Name _____ School _____

Nation _____

CATEGORY	5 - Excellent	4 – Very Good	3 - Good	2 – Fair	1 - Poor	Weightings
Knowledge	Details are specific, well-conveyed and provide a clear understanding of the student’s position on the topic.	Details are specific but conveyed in a slightly confusing manner and provide moderate understanding of the student’s position on the topic.	Details help to provide more insight into the student’s position on the topic.	Vague details offer only limited insight into the student’s position on the topic.	Details are inappropriate or insufficient for understanding the student’s position on the topic.	2
Visual Impact	The submission gives a strong first impression, and presentation is extremely appealing to the eye.	The submission sparks intrigue and presentation is very good.	The submission gives a decent first impression, and presentation is moderately appealing to the eye.	The submission gives a weak first impression, and presentation is passable.	The submission gives a negative first impression, and the presentation is not appealing to the eye.	2
Strength of Composition/ Organization	The submission is laid out in an extremely balanced way, has excellent	The submission is laid out in a well-balanced way, has good contrast and guides	The submission is laid out in a balanced way, has sufficient contrast and	The submission is laid out in an unbalanced way, has some contrast	The submission is laid out in an extremely unbalanced way, has little to no contrast and does	2

	contrast and successfully guides the viewers' eyes throughout the piece to convey its message.	the viewers' eyes throughout the piece.	somewhat guides the viewers eyes throughout the piece.	and creates some disorganized visual movement throughout the piece.	not create visual movement around the artwork.	
Effectiveness of piece in conveying theme/concept	The principles of Mathematics/ chosen theme is clearly depicted and easily interpreted from the artwork without the use of oral/written explanation.	The principles of Mathematics/ chosen theme is mostly easy to identify from the artwork with only some ambiguity and without the use of oral/written explanation.	The principles of Mathematics/ chosen theme is identifiable and from the artwork without the use of oral/written explanation.	The principles of Mathematics/ chosen theme can somewhat be interpreted from the artwork, but use of oral/written explanation is a key factor to understanding the piece..	The principles of Mathematics/ chosen theme is completely lost and impossible to interpret from the artwork without the use of oral/written word.	2
Originality and Innovation	Submission demonstrates originality and creativity. The ideas are innovative and appropriate to the theme.	Submission somewhat demonstrates originality and creativity. The ideas are innovative and appropriate to the theme.	Submission highlights originality to a known topic. It demonstrates a moderate amount of innovation.	Fair amount of originality. The submission can be considered to demonstrate an everyday norm.	Submission lacks originality and innovation.	1

Relevance and Mathematical Applications	The submission is intricately connected or appropriate to the mathematics field. It is current and it expressed the applicable of mathematics	The submission is directly connected or appropriate to the mathematics field. It expressed the application of mathematics.	The submission is moderately connected or appropriate to the mathematics field. It somewhat expressed the application of mathematics	The submission is fairly related to the mathematics field.	The submission is not related or applicable to anything in the mathematics field.	1
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Meme/Cartoon/Comic Strip

9. Participants are required to create an original meme/cartoon for the relevant topic:

10. Themes are as follows:

- Past, Present and Future... Mathematics.
- Maths in Different Professions.
- Maths in Caribbean Cultural Expressions.

Participant may choose one (1) of the themes mentioned above.

11. Participants can use existing templates to create their meme/cartoon/comic strip, but they must provide some original content on the template.

12. Any graphic or explicit content submitted will result in immediate disqualification.

13. Memes/cartoons must be submitted (in JPEG or GIF file format).

14. The file name should state: UWI MATH FAIR 2024 MEME/CARTOON – FirstnameSurname_School_Nation

Meme/Cartoon/Comic Strip Rubric

Student Name _____ School _____ Nation _____

CATEGORY	5 - Excellent	4 – Very Good	3 - Good	2 – Fair	1 - Poor	Weighting
Knowledge	Details are specific, well-conveyed and provide a clear understanding of the student’s position on the topic.	Details help to provide more insight into the student’s position on the topic.	Details help to provide average insight into the student’s position on the topic.	Vague details offer only limited insight into the student’s position on the topic.	Details are inappropriate or insufficient for understanding the student’s position on the topic.	1
Visual Representation (Humour/Irony)	Highly effective use of imagery and text to convey humour.	Effective use of imagery and text to convey humour	The Memes/Cartoons are moderately funny/Humour is partially for the medium.	The Memes/Cartoons are moderately funny/Humour is conveyed mildly appropriately for the medium.	The Memes/Cartoons are moderately funny/Humour is not conveyed for the medium.	2
Originality and Innovation	Submission demonstrates originality and creativity. The ideas are innovative and appropriate to the theme.	Submission highlights originality to a known topic. It demonstrates a moderate amount of innovation.	Submission has average originality to a known topic. It demonstrates an adequate amount of innovation.	Fair amount of originality. The submission can be considered to demonstrate an everyday norm.	Submission lacks originality and innovation.	1
Relevance and Mathematical Applications	Memes/Cartoons are intricately connected or appropriate to the mathematics field. It is current and it expressed the application of mathematics.	Memes/Cartoons are moderately connected or appropriate to the mathematics field. It expressed the application of mathematics.	Memes/Cartoons are fairly related to the mathematics field.	Memes/Cartoons are related to the mathematics field in a limited way.	Memes/Cartoons are not related or applicable to anything in the mathematics field.	1

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