

National United Church Ushers
Association of America, Inc. {NUCUAA}

Allan A. C. Griffith, Sr. Education
Department

S.T.E.A.M. TRAINING PRESENTATION



WHAT IS . . . ?

- S.T.E.M.

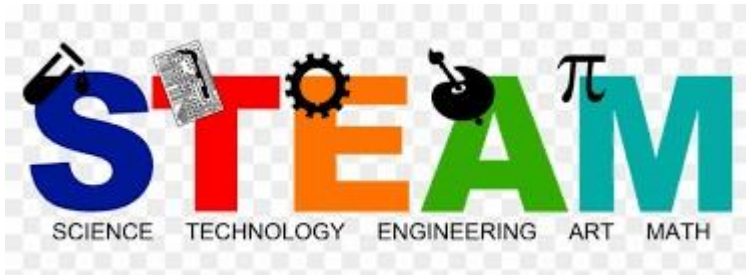
STEM stands for **science, technology, engineering, and mathematics**. The need for STEM programming in education developed out of concern that future generations were lacking critical skills needed to succeed in the current and future economy. STEM programming teaches innovation, creativity, critical thinking, problem solving and collaboration among many other skills proven to lead to success.

<https://www.invent.org/blog/trends-stem/stem-steam-definedd> (invent.org)

- S.T.E.A.M.

STEAM stands for science, technology, engineering, **arts**, and mathematics. The difference is that arts are included - ranging from visual arts, language arts, and physical arts to music and more. STEAM focuses on sparking imagination and creativity through the arts in ways that naturally align with STEM learning.





STEAM CAREERS

Mechanical & Civil Engineer	Architect	Website/App Designer	Modern Urban Planner	Orthopedic Technologist
Biomedical Engineer	Product Designer	Animator	Forensic Psychologist	Sound Engineer
Video Game Designer	Medical Illustrator	Astrophysicist	Audio Developer	Graphic Designer
Broadcast Technician	Fashion Designer	Interior Designer	Photographer	Sports Announcer
Pilots	Astronaut	Conservators	Archeologist	Scientific Engineering

<https://artsintegration.com/2018/09/01/steam-careers-for-the-21st-century/>



College of Education

College of Education

About

Study

↓ Advanced Study in Education

↓ Teaching, Curriculum, and Instruction

Doctor of Education - Curriculum Studies

Doctor of Education - Education Systems Improvement

➤ **Doctor of Education - STEM Education**

Teaching, M.Ed.

Teaching and Learning, Ph.D.

Project-Based Learning Add-on Endorsement

STEAM Education Add-On Endorsement

Apply

Student Support



Doctor of Education - STEM Education

This **100% online** Ed.D. in Educational Practice and Innovation with a concentration in STEM Education is designed to prepare STEM Education leaders across varying educational settings (school, district, and state). Designed to support research-practitioners, this program focuses on investigating problems of practice in STEM Education. As part of the program, candidates will explore theory, history, and concepts within STEM education settings in order to engage in research of practice. During the dissertation process, candidates will engage in action research related to STEM Education.

This online program is designed for professional educators who seek to:

Can you earn
a
**DOCTORATE
DEGREE?**



How much can a GRAPHIC ARTIST earn?

- Average Total Cash Compensation – The base salary for a Mid Level Graphic Designer ranges from **\$64,201 to \$80,201**, with **the average base salary of \$71,801**. The total cash compensation – which includes base and annual incentives – can vary anywhere from ***\$65,601 to \$82,601***, with the average total cash compensation of ***\$73,501***.



<https://www.salary.com/research/salary/alternate/mid-level-graphic-designer-salary/chicago-il#:~:text=Average%20Total%20Cash%20Compensation&text=The%20base%20salary%20for%20Mid,total%20cash%20compensation%20of%20%2473%2C501.>

S.T.E.A.M. FLIER

ALLAN A. C. GRIFFITH, SR. EDUCATION DEPARTMENT OF THE NATIONAL
UNITED CHURCH USHERS ASSOCIATION OF AMERICA, INC. (NUCUAA)



RULES

CREATIVE

SCHOLARSHIPS

READ INSTRUCTIONS

1. DESIGN A NEW EMBLEM FOR THE ALLAN A. C. GRIFFITH, SR. EDUCATION DEPARTMENT
OR
2. CREATE A LOGO FOR THE JUNIOR AND YOUNG PEOPLE'S DEPARTMENT
OR
3. DESIGN A POSTER THAT ADVERTISES 106TH NATIONAL CONVENTION IN PHOENIX, ARIZONA - 2025

CONTACT A NUCUAA EDUCATION
WORKER FOR MORE INFORMATION

EDUCATION WORKERS' RESPONSIBILITY

- **YOU** must read the entire Instruction Packet
- **YOU** must thoroughly understand the process
- **YOU** must distribute the entire Instruction Packet, including the Scoring Rubric, to each contestant. {printed or E-Mail}
- **YOU** must be able to answer questions
 - **Local** should contact the State Education Chairman
 - **State Education Chairman** should contact the Region Chairman
 - **Region Chairman** should contact the National Chairman



Do you have any ELIGIBLE Junior Ushers?

<p>any Junior Usher or Young Adult Usher who is a member of an Ushers' Ministry whose Senior Ushers' Ministry is a member of a Local Organization; that Local is a member of a State Organization; and that State is a member of the National United Church Ushers Association of America, Incorporated {NUCUAA}</p>	<p>scholars from the second year high-school {10th Grade} through the 1st year of college inclusive.</p>	<p>non-professionals in the field contested, i.e., cannot have received a salary or stipend as a Writer, Editor, or Journalist. Participation in a religious, social, or political competition for which a contestant may have received a one-time monetary award is not disqualifying.</p>
<p>must have served in the Local Ministry for at least 2 years before entering the Contest, and active. In the event of relocation within the United States, the Junior or Young Adult Usher must request a transfer to the Local Ministry of his / her choice within 1 year.</p>	<p>must have won 1st or 2nd place in the Competitions held in the Local, State, and Region. Payment of contestant travel, housing, and expenses to the National Contest is left solely to the discretion of each Region.</p>	<p>must perform with at least 80% accuracy at all levels of Competition to be eligible to participate in the National Competition</p>

PRIZES



- The STEAM Competition must occur within a PLACE that is spacious {dance}, **Internet connection** {graphic design / movie}, audio / visual – microphone, projector, computer, etc. {dance, graphic design, arts, engineering, math}.

National Contest supported by
the
R. E. Harshaw, Jr. Foundation:

- First Prize = \$5,000
- Second Prize = \$4,000
- Third Prize = \$2,500
- Fourth Prize = \$1,500

CONTEST REQUIREMENTS

- The contestant must **create an original** graphic design artwork
- The contestant **can use an electronic software** like Photoshop, PowerPoint, Canva, Adobe Photoshop, etc. to create the graphic design
- The graphic design **MUST** be presented in a **digital format** {jpeg, tiff, png, or gif}, and an 8 ½ x 11-inch color printed Poster
- The contestant must submit an “Essay” that explains in specific detail the “**MOTIVATION and METHOD**” behind their artwork. The contestant will read the “Essay” to the audience during the Competition
- The contestant will participate in an **IMPROMPTU** Session on the day of the Contest to create a graphic design. You will be expected to provide your own art utensils, drawing software, and / or electronic device

SELECT ONE PROJECT

LOGO	POSTER	EMBLEM
<p>Design a new creative, colorful LOGO for the Junior and Young People's Department, which includes the NUCUAA Seal and 1940 as the origination date of the Department.</p>	<p>Design a POSTER that advertises the 106th National Convention in Phoenix, Arizona – July 2025. It should include the NUCUAA Seal, and information about Phoenix, Arizona.</p>	<p>Design a new Emblem acknowledging the Allan A. C. Griffith, Sr. Education Department, and all six of its categories {Essay, Oration, Vocal, Instrumental, Spelling Bee, and STEAM}</p>





1. Five {5} COLORED printed Posters – at the expense of the contestant – must be 8 ½ by 11 to be distributed to the Judges
2. One Digital Poster in a jpeg, tiff, png, or gif format for the Judges.

RECOMMENDATIONS

- 1. YOU become aware of **GRAPHIC ARTS** in your everyday life {billboards, mail, Internet, doctor's office, school, TV commercials, etc.}
- 2. Require the contestant to consult Graphic Art **teachers** and **professional** Graphic Designers for assistance in meeting the Contest expectations and Scoring Rubric.
- 3. Encourage the contestant to utilize CREATIVE resources found on **YOUTUBE** and **GOOGLE.**



1. LOGO

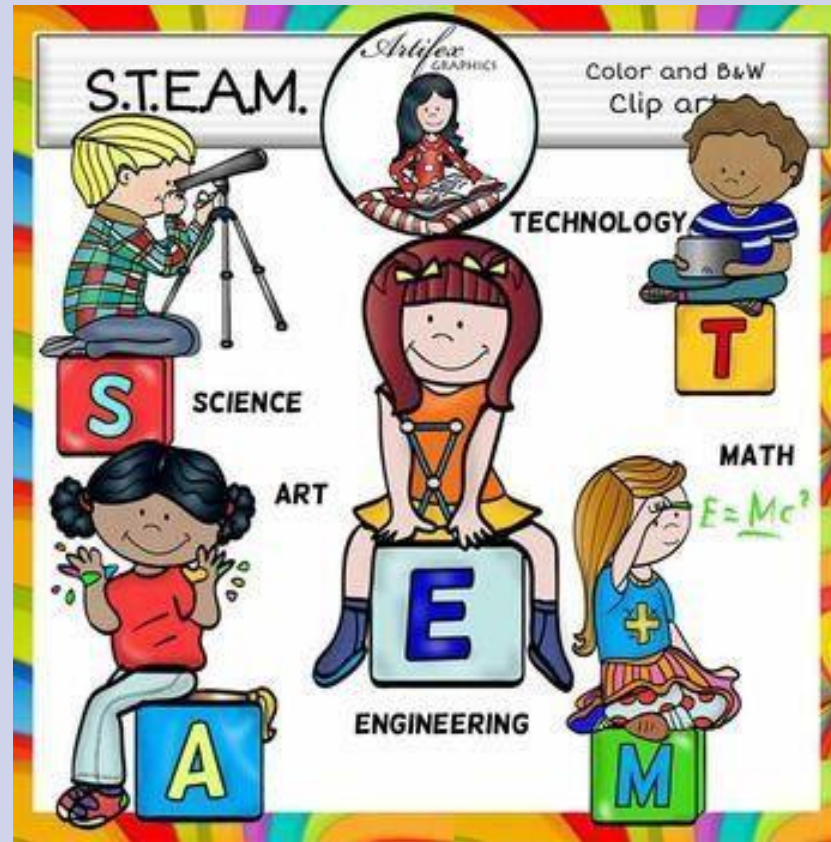
DESCRIPTION	OLD	SAMPLE
<p>Design a new creative, colorful LOGO for the Junior and Young People's Department, which includes the NUCUAA Seal and 1940 <i>origination year</i></p>		

2. POSTER

DESCRIPTION

Design a **POSTER** that advertises the 106th National Convention in Phoenix, Arizona – July 2025. It should include the NUCUAA Seal, and information about Phoenix, Arizona.

OLD



SAMPLE



3. EMBLEM

DESCRIPTION

Design a new Emblem acknowledging the Allan A. C. Griffith, Sr. Education Department, and all six of its categories {Essay, Oration, Vocal, Instrumental, Spelling Bee, and **STEAM**}

OLD



SAMPLE



ESSAY

- *Five {5} typewritten copies {double-spaced} of his or her Region Essay presentation thoroughly explaining the “**MOTIVATION and METHOD**” of the graphic design on the day of the Contest. There must not be any reference to your name, Church name, State, or Region in your oration. Failure to comply will result in disqualification.*



© CanStockPhoto.com



CONTENT	DELIVERY	TIME FRAME
The contestant must submit an “Essay” that explains in specific detail the “MOTIVATION and METHOD” behind their artwork	The contestant will read the “Essay” to the audience during the Competition	Minimum time is 3 minutes Maximum time is 10 minutes

IMPROMPTU

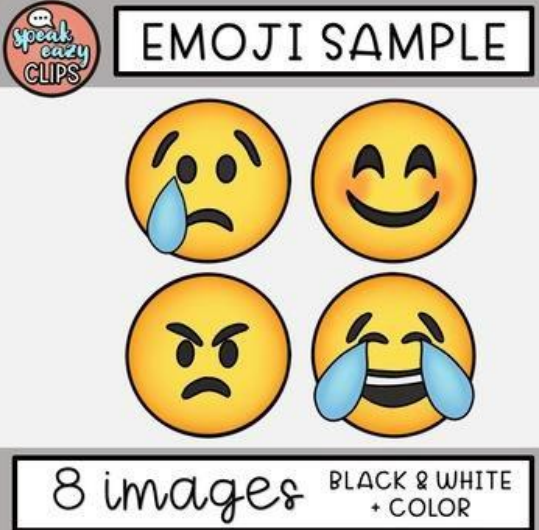




- The contestant should be allowed to use the same Illustrator or draw freehand with the appropriate colored utensils {crayons, markers, pencils, etc.} to create the Impromptu design.
- **The contestant has the responsibility of bringing the necessary utensils / materials to produce an Impromptu design.**
- The Education Worker is encouraged to **assist** the contestant by having “amateur” tools available such as drawing pencils, crayon, Conte Sticks, graphite sticks, pens, sharpeners, erasers, ruler, etc.
- The maximum allotted time is **60 minutes** before the Contest begins.

IMPROMPTU

CATEGORY	DEFINITION	SAMPLE
<p><u>GRAFFITI ART</u> “Graffiti is a form of visual communication created in public places. Graffiti is differentiated from street art or graffiti art in that it is usually illegally produced, and often involves the unauthorized marking of public or private spaces by individuals or groups.”</p>	<p>Use this definition of graffiti to create artwork using your initials. Use the same type of Illustrator – or draw freehand – to create a colorful representation of your initials that could be displayed on the “Wall” at the Education Contest.</p>	
<p><u>CARICATURE ART</u> “A caricature is a drawing of a real person, which distorts or exaggerates certain features – but still retains a likeness: in other words, an exaggerated piece of portrait art.”</p>	<p>Use this definition of a Caricature to create artwork depicting Church Ushers in 1919 wearing their Usher uniform. Use the same type of Illustrator – or draw freehand – to create a colorful “exaggerated” representation of our founders.</p>	

IMPROMPTU

CATEGORY	DEFINITION	SAMPLE
<p><u>Emoji ART –</u> “Art Emojis are an easy way to express your creative desires. People on the Internet use Emojis to express their emotions. To add to that, many studies verify that Emojis on social media posts have significantly increased a Post’s engagement ratio by up to 50%</p>	<p>Use this definition to create an Emoji that expresses how you think and feel – RIGHT NOW. The creation must be an original, not incorporating more than 50% of a current popular Emoji.</p>	
<p><u>AI –</u> Artificial Intelligence {AI} Graphic Design Artwork / Edit – “AI simulates human intelligence processes in machines and computer-controlled robots. This allows computer systems to perform laborious tasks – helping humans focus on more important things.” Each contestant must provide his / her own lantern</p>	<p>Use this definition to create a graphic design artwork / edit using Artificial Intelligence. Will provide a sample picture or description of a desired image will be provided.</p> 	

JUDGES

Please check with local high-schools, Teachers' Unions, and / or Educational Organizations to secure qualified Judges at least 2 months in advance of the Contest because of calendar commitments

Each Judge must complete the Judge Qualification and Biography Form



Qualification – **the Judge should be a current or former secondary {high-school} Art / Graphic Design teacher, or a Professional Expert / Graphic Designer.** The rationale is those teachers instruct in those content areas. A college professor should not be used as a Judge unless there is a specialty in graphic design.

Judges should be briefed on the Rules and Regulations by a knowledgeable Education Department Worker and / or the National / Region Education Chairman before the Contest weeks before the Contest. The Judges should be refreshed on the Rules and Regulations before the Contest begins.

There shall be **three Judges, and one Alternate Judge**, making a total of four Judges.



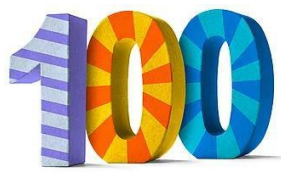
The Judges for the STEAM-GRAPHIC DESIGN Contest will be allowed to critique the written portion and Impromptu **before** the actual performance.

The Judge should critique the Competition project during the Contest.

Each Region / State can determine what donation is to be given to their Judges.
{Time expectation is **2-3 hours MINIMUM**}

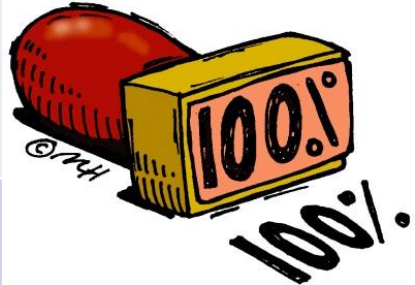
The Judges' dress code will be Business Attire





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SCORING RUBRIC

CATEGORY Based on a Maximum of 85 Points		IMPROMPTU Based on a Maximum of 15 Points
<u>Design and Composition</u> – Maximum points possible = 10		<u>Creativity</u> – Exemplary = 5; Excellent = 4; Good = 3; Satisfactory = 2; Unsatisfactory = 0
<u>GRAPHIC RELEVANCE</u> – Maximum Points Possible = 10		<u>Graphic Composition</u> – Exemplary = 5; Excellent = 4; Good = 3; Satisfactory = 2; Unsatisfactory = 0
<u>COLOR CHOICES</u> – Maximum Points Possible = 10		
<u>MECHANICS</u> – Maximum Points Possible = 10		
<u>USE OF ILLUSTRATOR</u> – Maximum Points Possible = 10		<u>Use of Illustrator</u> – Exemplary = 5; Excellent = 4; Good = 3; Satisfactory = 2; Unsatisfactory = 0
<u>ESSAY</u> – Explains in detail the motivation of the Graphic Design – Maximum Points Possible = 20		
<u>DELIVERY / STAGE PRESENCE</u> – Maximum Points Possible = 15		

COPYRIGHTS-1



- All Education Workers must explain to the contestants that they will **NOT** retain the copyright for their work. The Allen A. C. Griffith, Sr. Education Department – along with NUCUAA – **will retain all rights, and** will use the project for advertisement, fundraisers, etc. to benefit the National, Region, State, and Local Church Ushers' Organizations.

COPYRIGHT FORM TO BE SIGNED

- **The Allan A.C. Griffith Sr. Education Department** will have the right to edit, publish, or otherwise duplicate any submissions entered into the Contest without payment or notification to the entrant.
- By submitting responses to the Contest, entrants agree to the following:
- “I am submitting an original entry to the **Allan A.C. Griffith Sr. Education Contest**; I certify that my entry is my own work, and that I have abided by all guidelines and requirements of the **Allan A.C. Griffith Sr. Education Department** for the Contest. I understand that my entry will **not** be returned to me, and will become the property of the **Allan A.C. Griffith Sr. Education Department** to use at its discretion in activities related to publicizing the Contest and / or other activities. I further understand that Judges’ decisions are final.”
- Entrants further agree that by submitting an entry to the **Allan A.C. Griffith Sr. Education Department**, that the entrant grants to the **Allan A.C. Griffith Sr. Education Department** worldwide, non-exclusive, royalty-free right to distribute, publish and / or otherwise use the entrant’s submission in any manner required to promote or otherwise operate the Contest or any other usage reasonably needed by the National United Church Ushers Association of America, Inc., or other such entities.

• *Adapted from Create Real Impact.com*

- **Applicant’s Name /Signature /Date**
- **Applicant’s Parent / Guardian Name / Signature / Date**
- **Education Worker {Local / State / Region / National} Name / Signature / Date**

Questions and Comments

