



**The Reverend Ivan George**  
**ESSAY • POSTER • VIDEO CONTEST**

Sponsored by  
**CHAACA**

CHERRY HILL AFRICAN AMERICAN CIVIC ASSOCIATION

And

**The Cherry Hill Public Library**

CHAACA is sponsoring an Essay·Poster·Video Contest for Black History Month 2018. The contest is open to public school students in Cherry Hill in grades K through 12<sup>th</sup>. The essay, poster or video must depict an **African American in S.T.E.M. (Science, Technology, Engineering and Mathematics)**

S.T.E.M. have a profound effect on virtually every aspect of our daily lives. It is the very foundation on which this country is built and practically all areas of economic growth are based on developments in science and technology. For over 200 years African-Americans have achieved, accomplished, invented, experimented and made discoveries in the areas of science, engineering, mathematics, technology, and medicine. All of the discoveries and inventions in science; the achievements in engineering; greater expansions in mathematics and the developments in technology, have provided us with all of the essentials of our daily lives - food, shelter, health care, apparel, transportation, energy, communication, recreation - depend on science, technology, engineering and mathematics.

The essay, poster or video must answer the following questions:

**For students in grades Kdg. Through 3<sup>rd</sup>.**

1. Who is the scientist you have selected? What is their profession? (Example: George Washington Carver, an agricultural chemist.) Why did you select this person? (Example: I selected George Washington Carver because I want to be a chemist.)
2. How do the accomplishments in this profession affect you, your family, your city, this country and/or the world (Example: I can now use a computer that is smaller than a deck of cards compared to larger than a room.)
3. What did this person contribute to the world of science? This person's discoveries, contributions or inventions to the field. . (Example: George Washington Carver developed hundreds of products from peanuts and sweet potatoes. He also developed the concept of crop rotation.)
4. Based on what you have learned would you choose this profession as a career?

**For students in grades 4<sup>th</sup> through 12<sup>th</sup>.**

1. Who is the scientist you have selected? What is their profession? (Example: George Washington Carver, an agricultural chemist.) Why did you select this person? (Example: I selected George Washington Carver because I want to be a chemist.)
2. How do the accomplishments in this profession affect you, your family, your city, this country and/or the world (Example: I can now use a computer that is smaller than a deck of cards compared to larger than a room.)
3. What did this person contribute to the world of science? This person's discoveries, contributions or inventions to the field. . (Example: George Washington Carver developed hundreds of products from peanuts and sweet potatoes. He also developed the concept of crop rotation.)
4. What tie period in history did this person live? How did the time and place affect his/her accomplishments?
5. Did this person have to overcome any obstacles in his or her career? Did any of these obstacles have to do with race?
6. Based on what you have learned would you choose this profession as a career?

There will be three winners in each of the following six categories:

Prizes		Category		
First Prize	\$75	Grades	Kdg. – 1 <sup>st</sup>	(Poster, Video, or Essay)
Second Prize	\$50	Grades	2 <sup>nd</sup> -3 <sup>rd</sup>	(Poster, Video, or Essay)
Third Prize	\$25			
First Prize	\$100	Grades	4 <sup>th</sup> – 5 <sup>th</sup>	(Poster, Video, or Essay)
Second Prize	\$75	Grades	6 <sup>th</sup> – 7 <sup>th</sup>	(Poster, Video, or Essay)
Third Prize	\$50			
First Prize	\$125	Grades	8 <sup>th</sup> - 9 <sup>th</sup>	(Poster, Video, or Essay)
Second Prize	\$100	Grades	10 <sup>th</sup> -11 <sup>th</sup>	(Poster, Video, or Essay)
Third Prize	\$75			
First Prize	\$150	Grade	12 <sup>th</sup>	(Poster, Video, or Essay)
Second Prize	\$125			
Third Prize	\$100			

The Contest is judged by a panel of judges selected by the CHAACA Executive Board.

**Guidelines:**

- The Essay·Poster·Video must be the original work of the author.
- Rubrics are attached. Rubrics were developed with materials from the RubiStar Web site <http://rubistar.4teachers.org/index.php>
- Only technical assistance from others will be acceptable; for example, someone shooting the video, etc. The script, props, must be the original idea of the student. Another example; someone helping to cut out letters for the poster, the subject and art work must be the original idea of the student.
- All entries must be clearly marked with the student’s name, School, Grade, Age, and Teacher or Guidance Counselor. Entries will be assigned random numbers prior to submission to the judges to ensure objectivity.
- Submission of entries will be accepted from **December 11, 2017 until Friday, February 2, 2018.**
- Entries may be submitted written or hard copies, on a CD, on a DVD, on a flash drive or emailed to **chaacamembership@gmail.com**
- Winners will be recognized at the February 27, 2018 Cherry Hill Board of Education Meeting. Entries will be publicly displayed at the Cherry Hill Public Library and posted on their website, [ww.chplnj.org](http://ww.chplnj.org).
- The full contest packet is available on the library’s website.
- A Reception is planned for Monday, March 7, 2018 from 6 p.m. to 8 p.m. for participants, families and the community at the Cherry Hill Public Library.
- Submit entries to: **Your building guidance counselor, at [chaacamembership@gmail.com](mailto:chaacamembership@gmail.com), or the Cherry Hill Public Library’s Youth Services Department Desk on the second floor of the library. Questions may be emailed to Cathleen Jenkins, [csaxjenks@gmail.com](mailto:csaxjenks@gmail.com).**

**ENTRY DEADLINE IS FRIDAY, FEB. 2, 2018 at 5 p.m.**

<b>POSTER RUBRIC</b>				
<b>Category</b>	<b>Novice -1</b>	<b>Developing - 2</b>	<b>Proficient - 3</b>	<b>Exemplary - 4</b>
<b>Coverage of topic</b>	Details on the poster have little to do with the topic	Details on the poster relate to the topic; but are too general or incomplete	Details on the poster include important information but the audience may need more information to understand fully.	Details on the poster capture the important information about the topic and increase the audience's understanding.
<b>Organization</b>	The information appears to be disorganized.	Information is organized, but titles and subheadings are missing or do not help the reader understand.	Information is organized with titles and subheadings.	Information is very organized with clear titles and subheading
<b>Layout, Creativity, Use of Graphics and Design</b>	Much of the information on the poster is unclear or too small. Material presented in an ordinary, simple way. Graphics do not relate to the topic	Most of the information on the poster is in focus and the content is easily viewed and identified from 4 ft. away. Some creativity noted. All graphics relate to the topic	Most of the information on the poster is in focus and the content easily viewed and identified from 6 ft. away. Materials presented in a creative way. All graphics relate to the topic and most make it easier to understand	All information on the poster is in focus and can be easily viewed and identified from 6 ft. away. Materials presented in a uniquely, creative way. All graphics are related to the topic and make it easier to understand
<b>Sources</b>	Some sources are not accurately documented.	All sources (information and graphics) are documented, but information is incomplete or many are not in the desired format.	All sources (information and graphics) are accurately documented, but there are a few errors in the format.	All sources (information and graphics) are accurately documented.
<b>Mechanics</b>	Many grammatical, spelling, or punctuation errors.	A few grammatical, spelling, or punctuation errors.	Almost no grammatical, spelling or punctuation errors	No grammatical, spelling or punctuation errors.

<b>ESSAY RUBRIC</b>				
<b>Category</b>	<b>Novice -1</b>	<b>Developing - 2</b>	<b>Proficient - 3</b>	<b>Exemplary - 4</b>
<b>Coverage of topic/Thesis</b>	Approaching a thesis or topic, but has not narrowed the thesis or topic.	Thesis exists, but is not worded clearly or specifically.	Clear, strong thesis	Cleverly worded and creative thesis
<b>Organization</b>	There is some organizing scheme, but missing part or all of the introduction, body or conclusion	Paragraphs are defined, but not necessarily in a logical order, no transitions,	Paragraph breaks in the right place, transitions exists, there is an order to the presentation of ideas	Unique organizing strategy, smooth transitions, one idea flows into the next
<b>Content/Sources</b>	Information relates to thesis, but not directly; irrelevant, unimportant detail; information sources not cited.	Information evidence relates to thesis but the scope is too broad or narrow; information sources cited	Thesis supported by information and ideas; information sources cited	Thesis supported by information, ideas are unique, interesting, show a complex understanding and exploration of topic; information sources cited
<b>Style/Language Usage, Creativity</b>	Awkward wording in places, simple sentence structure. Same words used repeatedly; poor imprecise word choice; Colloquial language; homonym confusion; simple word choice. Simple straight forward – no creativity.	Clearly worded, simple sentence structure. Adequate or simple choice of words; appropriate to age and grade level. Some creative use of language or ideas.	Worded clearly and coherently with more complex sentence structure. Choice of words is distinctive, fresh, precise. Ideas and writing style presented creatively.	Clarity coherence and unity in word choice, sentence structure; writing flows. Choice of words economical and consistent with the relationship among writer, reader and the material. Ideas presented in a unique and personal style illustrating the author's creativity.
<b>Mechanics/grammar/spelling, etc.</b>	More than four significant errors many minor errors, such as spelling, typos	Up to three significant errors; some minor errors	One or two significant errors, some minor errors	No significant errors, a few minor errors.

<b>DIGITAL-VIDEO RUBRIC</b>				
<b>Category</b>	<b>Novice -1</b>	<b>Developing - 2</b>	<b>Proficient - 3</b>	<b>Exemplary - 4</b>
<b>Introduction/ Explanation of main point or focus</b>	Does not explain the project focus. Poorly addresses topic.	Explains only a general plan for the idea of the project	Explains the details of the project	Persuasively explains and addresses the details of the project
<b>Overall Content/ Support</b>	Message is unclear, includes little essential informative and one or two facts. Includes irrelevant ideas.	Message is vaguely communicated, includes some essential information with few facts and supports	Message is clearly communicated, includes essential information, indicates supports for ideas	Strong message. Covers topic completely and in depth, includes important and essential information
<b>Technical, Digital, Enhancements or Effects and Creativity</b>	Little or no enhancements for interest or excessive use of random enhancements detract from the video. Straight forward, no creativity.	Digital enhancements accompany video, but there is little sign of reinforcement; some tendency toward randomness with effects. Some creative use of language, effects, or ideas.	Digital enhancements that are used that are smoothly combined and effectively with the video. Ideas, effects, enhancements and style presented creatively	Digital enhancements are planned and purposeful; adding impact to the story line or focus. Ideas, effects, enhancements presented in a unique and personal style illustrating the author's creativity.
<b>Script/Dialogue Graphics</b>	Includes more than 10 grammatical errors, misspellings, punctuation errors, etc.	Includes no more than 5 grammatical errors, misspellings, punctuation errors, etc.	Includes more than 2-4 grammatical errors, misspellings, punctuation errors, etc.	No glaring grammatical errors, misspellings, punctuation errors, etc.
<b>Copyright/ Sources</b>	There are no citations or references to copy right information for photos, graphics, and music created by others. Does not indicate sources.	Citations are given, but some multimedia sources are not identified with references. Indicates some sources.	Citations are given, but some multimedia sources are identified with references. Most sources indicates.	Citations are given proper credit, original graphics, music, photos are used and cited as original. All sources are documented and indicated.

Resources, Names and Websites

<https://www.biography.com/people/groups/famous-black-scientists> (African American Scientists)

<https://webfiles.uci.edu/mcbrown/display/faces.html> (The Faces of African Americans in Science, see below)

Biochemists	Biologists	Chemists	Physicists
Herman Branson George Washington Carver Emmett W. Chappelle Marie M. Daly Lloyd Hall Ernest E. Just Samuel Lee Kountz, Jr. James Sumner Lee Dorothy McClendon Ruth Ella Moore Kenneth Olden Ida Owens Maurice Rabb	William Michael Bright Hyman Yates Chase Jewel Plummer Cobb Alfred O. Coffin Dale Emeagwali John L. Graves Jr. Mary Styles Harris Jehu Callis Hunter Fatima Jackson Ernest Everett Just James Sumner Lee Ruth Smith Lloyd Roger Arliner Young Kenneth Olden	Albert C. Antoine Gloria Long Anderson Thomas Nelson Baker, Jr. St. Elmo Brady E. Luther Brookes Edward M.A. Chandler <b>George Washington Carver</b> John R. Cooper Lloyd Noel Ferguson Lloyd Hall James Harris Henry Aaron Hill John Edward Hodge John McNeile Hunter Ashanti Johnson Reatha Clark King Elmer Samuel Imes Lovell A. Jones Percy Lavon Julian Ernest Just	George E. Alcorn Edward Bouchet Robert Henry Bragg Herman R. Branson George R. Carruthers Ernest Coleman John William Coleman Stanley Peter Davis Njema Frazier Sylvester James Gates Meredith C. Gourdine John McNeile Hunter Elmer Samuel Imes Shirley Ann Jackson Katherine G. Johnson Roscoe L. Koontz Walter Eugene Massey Ronald McNair Louis W. Roberts Lynn Ernest Roberts

<b>Biochemists</b>	<b>Biologists</b>	<b>Chemists</b>	<b>Physicists</b>
		James Lu Valle Samuel Proctor Massie, Jr. Henry Cecil Ransom McBay Norbert Rillieux Edwin R. Russell Lloyd Quarterman Larry Robinson Moddie Daniel Taylor Charles Turner Isiah M. Warner E. Oscar Woolfolk	Earl Shaw John B. Slaughter Lawnie Taylor Herman Thomas Neil deGrassed Tyson J. Ernest Wilkins, Jr.

<b>Engineers</b>	<b>Entomologists</b>	<b>Geneticists</b>	<b>Inventors</b>
Archibald Alexander Treena Livingston Arinzeh Albert C. Antoine Wanda Austin Ursula Burns David Crosthwait William Hunter Drummond Clarence Elder Aprille Ericcson Roscoe C. Giles Meredith C. Gourdine Howard Grant Walter Lincoln Hawkins	Madison Spencer Briscoe Vivian Murray Chambers Herman Glen Cooke Leon Roddy Charles Turner	James E. Bowman, Jr. Thomas Price Dooley Mary Styles Harris Rick Kittler Reuban A. Munday Robert F. Murray, Jr.	George E. Alcorn Sharon J. Barnes Benjamin Bradley Otis Boykin George Washington Carver Clarence Elder Frederick M. Jones Lewis Howard Latimer Elijah McCoy Garrett A. Morgan John P. Parker Norbert Rillieux Rufus Stokes

Engineers	Entomologists	Geneticists	Inventors
<p>Campbell Johnson            Lonnie Johnson            George Biddle Kelley            Lewis Howard Latimer            Frederick McD. Massiah            Caldwell McCoy            Elijah McCoy            Garrett A. Morgan            Percy A. Pierre            Hugh G. Robinson            John B. Slaughter            Robert R. Taylor            Virgil Trice            O.S. (Ozzie) Williams</p>			<p>Madame C.J. Walker            James West            Granville T. Woods            Inventors Bibliography            Historical Inventors            Women Inventors (1885-1975)            Selected Inventors/Patents  <small>Index of African American Inventors: Historical</small>            First Patents to African-Americans  <small>First Man</small>            Thomas L. Jennings (1821)  <small>First Woman</small>            Sarah E. Goode (1885)</p>

Mathematicians	Computer Scientists	Meteorologists	Medical
<p>Benjamin Banneker            Sister Mary S. Deconge            Annie Easley            Evelyn Boyd Granville            Katherine G. Johnson            Tanya Moore            Arlie Peters            Percy A. Pierre            Louis W. Roberts            J. Ernest Wilkins            Scott Williams</p>	<p>Clarence A. "Skip" Ellis            Annie Easley            Philip Emeagwali            Roscoe C. Giles            Bryant W. York            Other Computer Scientists            Computer Scientists of the African Diaspora  <small>Developed by Dr. Scott Williams, Professor of Mathematics, SUNY-</small></p>	<p>Charles E. Anderson            June Bacon-Bercey            Bryan Busby            Al Roker            E. Don Sarreals            James Tilmon            Warren Washington</p>	<p>Benjamin S. Carson            Rebecca J. Cole            Albert G. Crenshaw            Charles R. Drew            Mae C. Jemison            • Other Astronauts NASA JSC profiles            Roscoe L. Koontz            Samuel L. Kountz            William A. Hinton            Lovell A. Jones</p>



<b>Mathematicians</b>	<b>Computer Scientists</b>	<b>Meteorologists</b>	<b>Medical</b>
Mary Winton-Jackson Other Mathematicians Mathematicians of the African Diaspora Developed by Dr. Scott Williams, Professor of Mathematics, SUNY-Buffalo	Buffalo		Maurice Rabb Vivien T. Thomas Daniel Hale Williams

<b>Veterinarians</b>	<b>Geologists Oceanographer</b>	<b>Protozoologists</b>	<b>Zoologists</b>
Raleigh H. Allen Wendell O. Belfield Roger D. Estep Augustus N. Lushington Frederick D. Patterson Theodore S. Williams Thomas G. Perry	Marguerite T. Williams  Oceanographer Evan B. Forde	Harold Eugene Finley Norvell Witherspoon Hunter James Warren Lee William Henry McArthur	William Michael Bright Hyman Yates Chase Alfred O. Coffin Herman Glen Cooke Jehu Callis Hunter Norvell Witherspoon Hunter Ernest Everett Just James Warren Lee Charles Henry Turner Roger Arliner Young

<b>Technologists</b>	<b>Astronomists</b>		
Makinde Adeagbo Ty Ahmad-Taylor	Walter McAfee Derrick Pitts Valerie Thomas		

<b>Technologists</b>		<b>Astronomists</b>		
Chris	Amos			
Shellye	Archambeau			
Ime	Archibong			
Angela	Benton			
Torrence	Boone			
Inman	Breaux			
Stacy	Brown-Philpot			
Kimberly	Bryant			
Majora	Carter			
Don	Charlton			
Ken	Coleman			
Stephen	DeBerry			
Brian	Dixon			
David	Drummond			
Malik	Ducard			
Tony	Gauda			
Sheldon	Gilbert			
Jon	Gosier			
Heather	Hiles			
Charles	Hudson			
Sarah	Kunst			
Lisa	Lambert			
Will	Lucas			
Kanyi	Maquebela			
Kirk	McDonald			
Dan	Miller			
Erik	Moore			
Ade	Olonob			
Charles (Chuck)	Phillips			
Michael	Seibel			

<b>Technologists</b>		<b>Astronomists</b>		
Stacey	Spikes			
David	Steward			
Wayne	Sutton			
Erin	Teague			
Corey	Thomas			
John	Thompson			
Laureno (Lo)	Toney			
Tristan	Walker			
Brian	Watson			
Hamet	Watt			
Amos	Winbush III			
Chris	Young			