



HIGHLIGHTED STIPULATIONS OF THE MOU

WESTSIDE FUTURE FUND /BOOKER T. WASHINGTON HIGH SCHOOL

MOU –WFF/ BOOKER T. WASHINGTON

This MOU confirms the commitment between the APS and WFF to ultimately develop and sustain a seamless, high-quality, cradle-to-career pipeline focused on the children of the Target Neighborhoods. The following schools are located within the APS Washington Cluster:

- **Brown Middle School ("Brown")**
- **Hollis Innovation Academy ("Hollis")**
- **M. Agnes Jones Elementary ("M. Agnes Jones")**
- **Tuskegee Airmen Global Academy ("TAG")**
- **Washington High School ("Washington")**

MOU –WFF/ BOOKER T. WASHINGTON

III. Essential Elements for Success

A. Governance

A.1 Hollis Innovation Academy Go Team

The Hollis Go Team will allow for the election of two voting members from WFF.

A.2 Booker T. Washington High School Go Team

4

The Washington Go Team will allow for the election of up to two voting members from WFF.

A.3 School-Level Go Teams will:

- Advise on the strategic direction of its respective school, including the instructional model, staffing requirements, length of school day and school year, and other partnerships (the "Strategic Plan").
- Give input on the development of school-specific strategic plans according to a timeline to be determined by mutual agreement of WFF and APS.
- Advise on day-to-day school management to ensure the coordination, planning and execution of each school's strategic plan.
- Advise on the school budget each year including all funds raised by the WFF.
- Submit to APS for review all waivers and other policy changes proposed at the site level.

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B. Pipeline to Booker T. Washington High School

Recognizing that Washington will enroll students from both Hollis Innovation Academy and Brown Middle School in the Fall of 2020, and that students from M. Agnes Jones feed Washington's pipeline via Brown, WFF will:

1. Begin collaborating with the APS leadership team by October 1, 2020 on a partnership agreement to support increased academic outcomes for students entering Washington's Freshman Academy (i.e., 9th Grade). WFF and APS intend to enter into such partnership agreement by September 15th, 2020 and commence targeted support at Washington during the 2020/2021 school year.
2. Begin during the first half of the 2020/2021 school year, an assessment period during which APS and WFF will establish the objectives, support resources required, and terms of a future partnership that delivers targeted support to Brown and M. Agnes Jones.

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B. WASHINGTON

After 1 year of implementation:

- By the end of the 2020-2021 school year, the percentage of students promoting from 9th grade to 10th grade will increase by **3%**.
- By the end of the 2020-2021 school year, the percentage of students scoring “proficient and above” on the 9th Grade ELA Milestones will increase by **5% points** over the 2019-2020 school year baseline scores for 9th Grade ELA Milestones performance.
- By the end of the 2020-2021 school year the percentage of students scoring “proficient and above” on the Algebra Milestones will increase by **5% points** over the 2019-2020 school year baseline scores for Algebra Milestones performance.
- By the end of the 2020-2021 school year the percentage of 9th grade students missing 10% or more of the school year will decrease by **5%** as compared to freshman attendance rates for the 2019-2020 school year.
- By the end of the 2020-2021 school year, the number of 9th grade students participating in the inaugural AgSTEM cohort will be 23-25 students.

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V. Funding

- In general, interventions at APS Washington Cluster schools identified in this MOU will have key school improvement features such as additional staff, longer school day/school year. APS will commit to funding the schools identified in this MOU according to the funding model of traditional schools with similar levels of intervention.

Booker T. Washington High School will support the strategic and intentional expansion of the Freshman Transition Academy (FTA) which informs and ultimately benefits the academic success of all students of BTWHS. The expansion of the FTA will feature turnaround strategies to include additional staff, school day/school year, the introduction of a cohort group of freshman students in our AgSTEM Program and the associated resources and technology.

- WFF will fund the gap between the district funding and the actual cost of the "support options" as outlined in Exhibit B attached hereto (for Hollis) and Exhibit C (for Washington). These exhibits will be reviewed annually.

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Washington

In the event Washington fails to meet the goals stated above based on data from the 2025-2026 school year, then, at the sole option of WFF, the MOU between WFF and APS shall terminate at the end of the 2026-2027 school year.

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EXHIBIT C- SUPPORT OPTIONS: BOOKER T. WASHINGTON HIGH SCHOOL 2021-2026

Critical Capability	Current resources	Additional resources needed	Vendors	Investment Needed	
				Low	High
Academic Enrichment	N/A	Math Specialist	APS	\$45,000	\$65,000
	N/A	Reading Specialist		\$45,000	\$65,000
	N/A	Agriculture Teacher		\$45,000	\$65,000
	N/A	12-month Agriculture Instructor		\$45,000	\$65,000
	N/A	CTAE & Stem Program Branding, School Branding		\$25,000	\$75,000
Annual Academic and Wraparound Total				\$205,000	\$335,000
Robust Faculty		Additional teacher per classroom to advance AP/Honors courses	APS		
	2 teachers per core content (8 teachers)	21/22 school year		\$360,000	\$520,000
	2 teachers per core content (8 teachers)	22/23 school year		\$360,000	\$520,000
	2 teachers per core content (8 teachers)	23/24 school year		\$360,000	\$520,000
	2 teachers per core content (8 teachers)	24/25 school year		\$360,000	\$520,000
Five-Year Faculty Salaries Total				\$1,800,000	\$2,600,000
One-Time Expense Infrastructure Support	N/A	AgStem Labs (Green House, Aquaponic Kits, Aquaculture Resources - Fish Farms, Tanks, etc)	Various	\$200,000	\$300,000
Total 21/22			projected cost	\$765,000	\$1,155,000
Total 22/23			projected cost	\$765,000	\$1,155,000
Total 23/24			projected cost	\$765,000	\$1,155,000
Total 24/25			projected cost	\$765,000	\$1,155,000
Total 25/26			projected cost	\$765,000	\$1,155,000
Five-Year Total				Low \$3,825,000	High \$5,775,000



IMPACTING
AGRICULTURE IN



SCIENCE, TECHNOLOGY,
ENGINEERING, MATHEMATICS

WHEN HISTORY MET VISION...

BTW AGSTEM PROGRAM

*THE HISTORICAL CONTEXT FOR THE DEVELOPMENT AND IMPLEMENTATION OF THE
AGSTEM PROGRAM AT BOOKER T. WASHINGTON HIGH SCHOOL*

GUIDING PHILOSOPHY

Booker T. Washington (1856-1915) believed that the best way for African-Americans to stabilize their future was to make themselves skilled contributors to society by providing a necessity (a response to a need). "The individual who can do something that the world wants done will, in the end, make his way regardless of his race" (Washington 155).

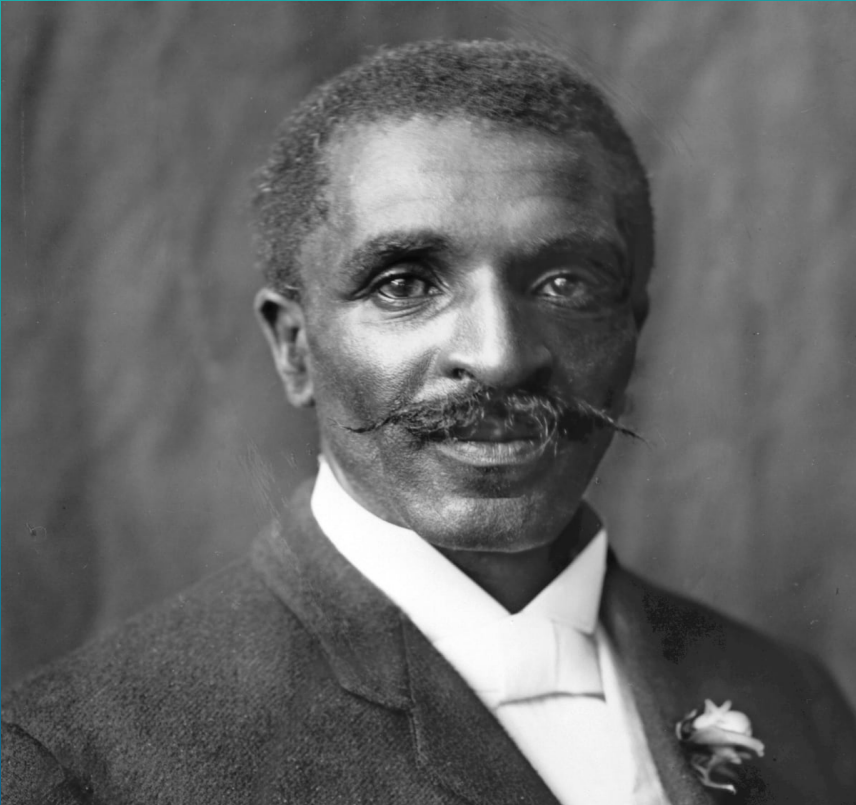


A VISIONARY



Booker T. Washington had a vision for his newly founded Tuskegee Normal and Industrial Institute (1881). He wanted to expand the fields of study at Tuskegee University through the addition of an Agriculture program. To do this, he specifically sought out an African-American Agriculture Scientist to lead this work.

ONE OF A KIND



An excerpt from Booker T. Washington's Letter to George Washington Carver 1896

"I cannot offer you money, position or fame. The first two you have. The last from the position you now occupy you will no doubt achieve. These things I now ask you to give up. I offer you in their place: work – hard work, the task of bringing people from degradation, poverty and waste to full manhood. Your department exists only on paper and your laboratory will have to be in your head."

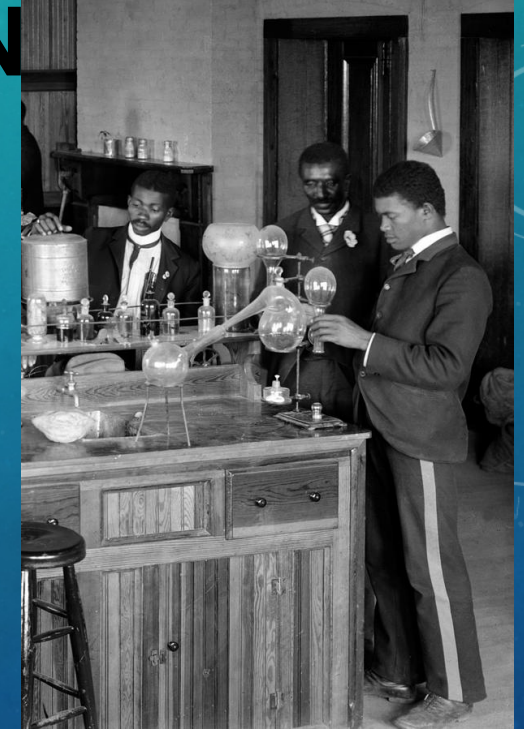
In 1896, Booker T. Washington sent a letter to the only African American Agricultural Scientist/Inventor in the nation: George Washington Carver. GWC was a highly respected scientist and had recently taken a job as a faculty member at Iowa State University. His position at Iowa State University was sure to bring him increased notoriety, money and fame.

I ACCEPT!



Carver immediately accepted Booker T. Washington's offer. He left his position at Iowa State to work at Tuskegee Normal and Industrial Institute (Tuskegee University). He believed he had been called and prepared for this important work. He was determined to use his knowledge to help poor farmers of the rural South..

WHEN AGRICULTURE MARRIED SCIENCE



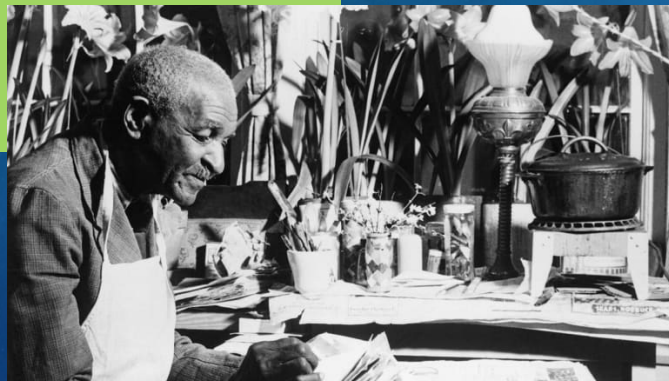
George Washington Carver began by introducing the idea of crop rotation (AgStem). In the Tuskegee experimental fields, Carver settled on peanuts (farming) because it was a simple crop to grow and had excellent nitrogen fixating properties to improve soil depleted by growing cotton. He took his lessons to former slaves turned sharecroppers by inventing the Jessup Wagon (AgStem), a horse-drawn classroom and laboratory for demonstrating soil chemistry (AgScience). Farmers were ecstatic with the large cotton crops resulting from the cotton/peanut rotation.

AGSTEM

- Carver developed approximately 300 products made from peanuts; these included: flour, paste, insulation, paper, wall board, wood stains, soap, shaving cream and skin lotion. He experimented with medicines made from peanuts, which included antiseptics, laxatives and a treatment for goiter.

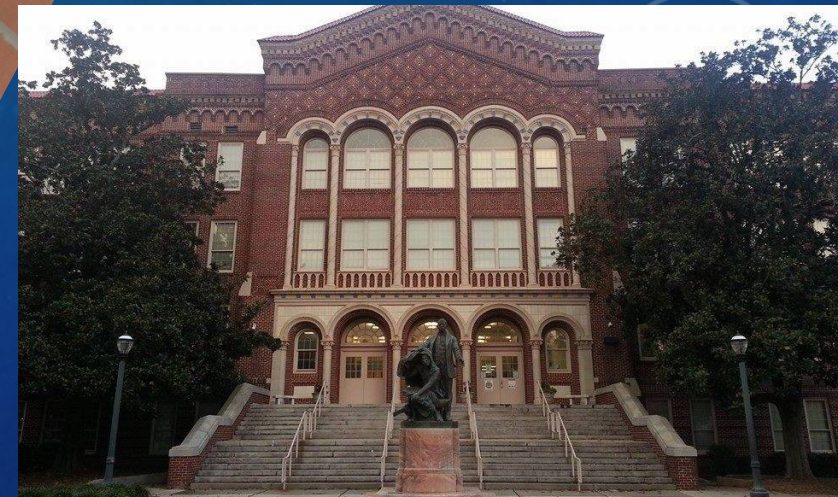


GWC continued to experiment with peanut products and became interested in sweet potatoes, another nitrogen-fixing crop. Products he invented using sweet potatoes include: wood fillers, more than 73 dyes, rope, breakfast cereal, synthetic silk, shoe polish and molasses. He wrote several brochures on the nutritional value of sweet potatoes and the protein found in peanuts, including recipes he invented for use of his favorite plants. He even went to India to confer with Mahatma Gandhi on nutrition in developing nations.

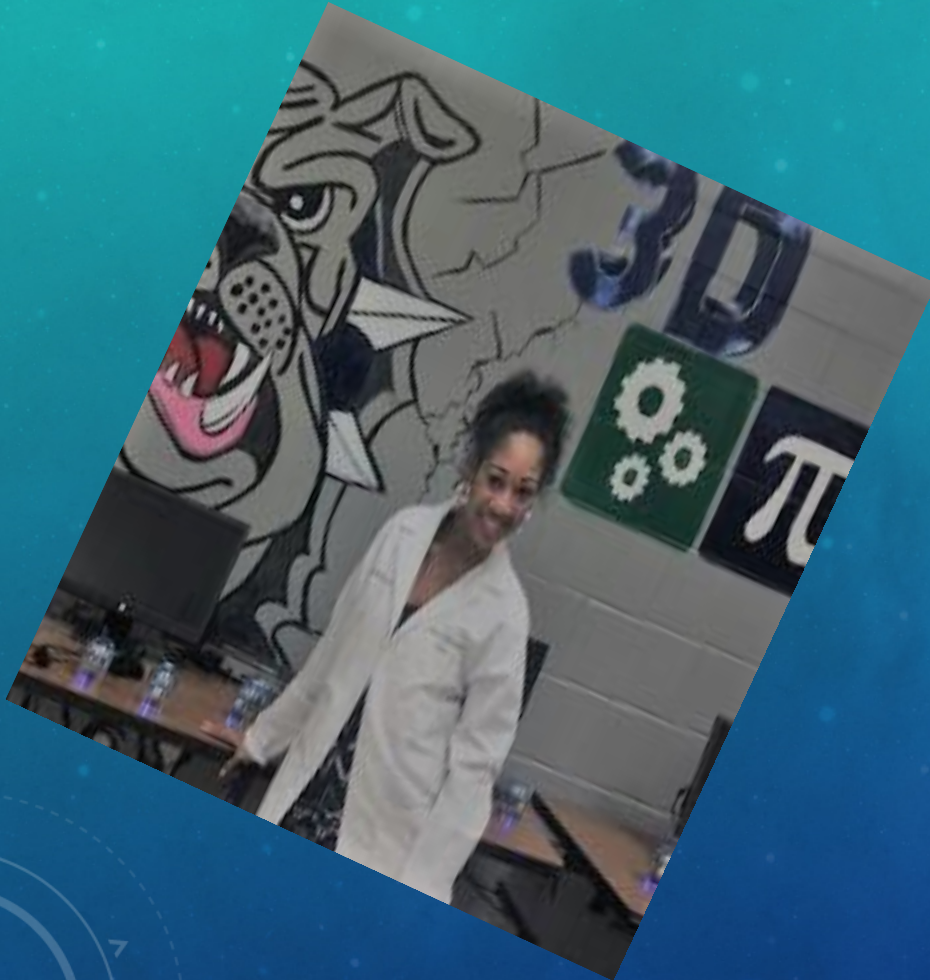


EXPANDING THE VISION

Having studied the work of Booker T. Washington and the significant contributions of George Washington Carver, Dr. Angela Coaxum-Young wanted to build upon their agricultural program vision at Booker T. Washington High School in a 21st century way. Much like Tuskegee University, Booker T. Washington High School (est. 1924) was a school created to teach African American students skills and trades that would prepare them to enter career fields. In October of 2019, after careful consideration and extensive study of the issue plaguing families on the West End of Atlanta (food insecurities, socio-economic disadvantages, environmental issues, etc), Dr. Young sought out to implement an AgSTEM program at BTW. She believed students could learn skills to sustain their livelihoods through farming techniques, while simultaneously utilizing STEM skills to innovate and introduce new products and processes to the agricultural industry. She also believed students of Booker T. Washington High School could use AgStem skills to build, educate and support the surrounding community.



AND SO THE WORK BEGINS....



Chanel Cobey-Williams spent a great deal of time developing the culture of stem at Booker T. Washington. Dr. Coaxum-Young solicited her support to help design and implement the AgStem concentration for Booker T. Washington. Chanel (with the help of the AgStem founding leaders of the school) began to form the BTW AgStem program. The program would launch in Fall of 2020.

SO WHAT IS AGSTEM



Stem in Agriculture or AgStem focuses on the innovation, creativity and engineering that impacts the industry of agriculture. Science, Technology, Engineering, and Mathematics are woven into every component of agriculture - making agriculture a tremendous source for STEM contextual learning. The context of agriculture, food and natural resources (AFNR) provides an innovative way to connect students to STEM.

AG STEM AT BOOKER T. WASHINGTON HIGH SCHOOL

Launching its inaugural year in Fall 2020, The BTW AgStem Program is designed to prepare students to become leading experts in areas that include agricultural sciences, food and nutritional sciences, biomedical sciences, human medicine, agribusiness, environmental policy, natural resource management, and urban and rural development at local levels. Students will explore STEM from the lense of agriculture through project based learning opportunities.

The AgStem program is a school wide initiative.

The AgStem focus for each grade level is as follows:

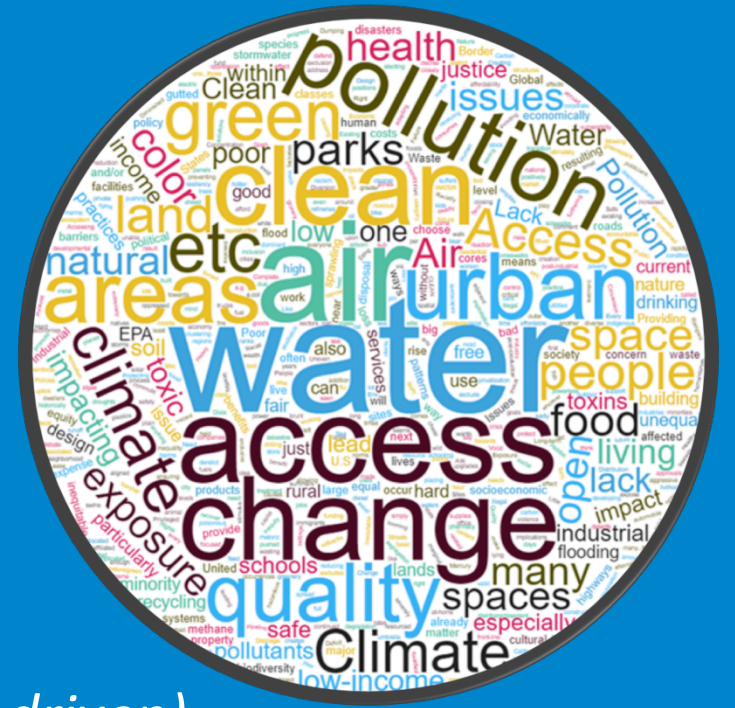
• Project Based Learning (PBL) Themes for Curriculum Writing:

9th –Environmental Justice

10th - Urban Sustainable Agriculture

11th – Holistic Medicine

12th - Culminating Ag Stem PBL -*Ag Stem Solutions* (pathway driven)



THE LEGACY OF BOOKER T. WASHINGTON HIGH SCHOOL CONTINUES.....

With over 100 college and universities offering programs in Agriculture across the nation, students of Booker T. Washington High School will graduate equipped to further their studies in fields grounded in AgStem. Our students will be introduced to underrepresented career fields in agriculture where need is rapidly outpacing the number of credentialed and experienced candidates.

