



**George Washington
Carver Academy**

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ATTACHMENT EXHIBIT-6

CURRICULUM

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George Washington Carver Academy is in the process of adopting and implementing the **Oakland Scope Curriculum** tool as a component in aligning and creating a viable curriculum. The Oakland Schools Literacy Team is made up of consultants with expertise in English language arts, special education, and content-area literacy. The shifting landscape of the 21st century places new demands on students, teachers, and schools, and impacts the definition of effective literacy instruction. GWCA is a supporter of literacy instruction. **Oakland Scope** is available electronically and is accessible through:

➤ **Oakland Scope**

<https://oaklandk12-public.rubiconatlas.org>

Elementary/Middle School

The following subjects/courses are offered at the academy.

Course	K	1	2	3	4	5	6	7	8
ELA	X	X	X	X	X	X	X	X	X
SFA	X	X	X	X	X	X	X	X	X
Math	X	X	X	X	X	X	X	X	X
Science	X	X	X	X	X	X	X	X	X
S.S.	X	X	X	X	X	X	X	X	X
P.E.	X	X	X	X	X	X	X	X	X
Music	X	X	X	X	X	X	X	X	X
Computer Tech	X	X	X	X	X	X	X	X	X
Spanish	X	X	X	X	X	X	X	X	X
Music	X	X	X	X	X	X	X	X	X

The Academy is aligned to Michigan’s Career and College Ready Standards (Common Core State Standards) and related state/national standards, and is developmentally sequenced based on grade level via a universal curriculum pacing map for K-8 Math and English Language Arts.

In addition, George Washington Carver Academy uses the **Oakland Scope** as an articulated K-8 standards-based curriculum in Science, Social Studies, Physical Education, Computers and Art. Each subject is aligned to grade-level content expectations and the Michigan Curriculum

Framework. The curriculum and Instruction alignment is with the Michigan Curriculum Framework and National Math-NCTM, and Science AAAS Project 2061. It is used to inform instruction, and it meets the Michigan 1-5 testing mandate.

The curriculum reflects the academic components students should know and be able to do. Curriculum outcomes are derived from the mission of the school, long-range student goals (adult roles), standardized test Item Analysis and Scantron performance analysis was completed in each of the core subjects, along with disaggregated data with regards to race, gender, economically disadvantaged and special education. In conjunction with this process teachers are provided with on-site training in core content areas.

The Academy uses the following process for curriculum development and delivery:

- The core curriculum defines student outcomes by specific demonstrable levels of achievement for each subject area and grade level.
- Instruction is geared towards achieving these outcomes.
- Student outcomes are assessed using a variety of Alternative and Authentic tools including, M-Step, NWEA, STAR Pre and Post Tests, Standards-Based Portfolios, Demonstrations, Projects, Teacher Observations, Service Learning and Science Fair projects.
- Programs have been adopted that provide for smooth integration of cross-curricular content across the grade levels.
- Teachers are provided with on-going, updated professional development activities.
- Curriculum materials provide students with a variety of opportunities to explore, investigate and apply desired skills.

The curriculum is individually adapted to meet the needs of students at all levels of achievement including high and low achievers. Each student was given a pre test for Reading and Math utilizing the STAR Diagnostic Testing Program. The test gives a portfolio on each student listing their strengths and weaknesses in Reading and Math. The test gives the Zone of Proximal Development, Standard Score, Grade Equivalent, Percentile Ranking and Percentile Range. Each student is given a written synopsis of what he/she needs to work on to improve in Reading and Math. This information is shared with students and parents and placed in their portfolio. Accelerated Reading and Study Island are used to assess students on an ongoing basis. A post-test is given in the spring to note growth.

George Washington Carver Academy currently utilizes the following curriculums for each grade level:

Kindergarten – 5th Grade

GRADE	MATH	SCIENCE	SOCIAL STUDIES	ELA
KINDERGARTEN	SFA	SFA and TLC- Science Alive	SFA and TLC- Social Studies Alive	SFA
1 ST GRADE	Everyday Math	TLC- Science Alive	TLC-Social Studies Alive	SFA
2 ND GRADE	Everyday Math	TLC- Science Alive	TLC-Social Studies Alive	SFA
3 RD GRADE	Everyday Math	TLC- Science Alive	TLC- Social Studies Alive	SFA
4 TH GRADE	Everyday Math	TLC- Science Alive	TLC- Social Studies Alive	SFA
5 TH GRADE	Everyday Math	TLC- Science Alive	TLC- Social Studies Alive	SFA

6TH Grade – 8th Grade

GRADE	MATH	SCIENCE	SOCIAL STUDIES	ELA/READING
6 th Grade	McGraw-Hill Glencoe Mathematics Course 1	HMD Science Fusion – Earth Science	Houghton Mifflin-World Cultures- Western Hemisphere	SFA
7 th Grade	McGraw-Hill Glencoe Mathematics Course 2	HMD Science Fusion- Cells and Heredity	Houghton Mifflin-World Cultures and Geography- Eastern Hemisphere	SFA
8 th Grade	McGraw-Hill Glencoe- Mathematics Course 3	HMD Science Fusion- Matter and Energy	Houghton Mifflin- American History- Beginnings to 1914	SFA

Kindergarten (Success for All)

SFA's Early Childhood programs are built around a cooperative-learning framework that engages students in rich discussion and motivating challenges every day. Lessons are enriched with multimedia, puppet skits, and videos to keep the focus on fun and learning

KinderCorner:

This is a comprehensive kindergarten program based on research indicating that young children learn best when material is delivered holistically rather than in isolation. Using a thematic approach to learning, KinderCorner addresses all key developmental domains for early learners. KinderCorner helps children make sense of the world around them, fostering the development of children's language, literacy, math, and interpersonal and self-help skills and science and social studies concepts.

KinderCorner provides kindergartners with the same type of experiential and child-centered curriculum that is the foundation of the Curiosity Corner curriculum. Ideally suited for a full-day classroom, KinderCorner provides a balance between child-initiated activities and teacher-directed instruction, with emphasis given to oral-language and literacy development. This curriculum consists of sixteen thematic units that are designed to relate to children's lives, interests, and surroundings and introduce them to concepts that are then explored and reviewed through concrete, integrated, theme-related activities.

KinderCorner specifically targets language and literacy development through the discussion of thematic concepts to promote the children's phonological awareness, phonemic awareness, and oral-language development. These activities include interactive story reading and storytelling, action songs and rhymes, and verbal guessing games. Each day, children choose learning labs and engage in reflection activities to promote their problem-solving skills. Students also read KinderCorner concepts-of-print books, which helps them to develop phonics and other reading-readiness skills.

Beginning halfway through the school year, formal reading instruction is introduced through KinderRoots. Through fun lessons and shared stories, students are exposed to the use of sound blending and strategies for word recognition and text comprehension as they read phonetically controlled text.

1st - 8th Grade (Success for All)

SFA's elementary programs combine a cooperative-learning framework with detailed lessons that guide effective instruction in critical academic and social skills. Lessons incorporate multimedia, puppet skits, and videos to support classroom instruction and keep students engaged. Interactive lessons are fully aligned to the Common Core State Standards:

Roots:

Reading Roots 4th Edition is a ninety-minute comprehensive program that targets the needs of beginning readers. Reading Roots is a research-based beginning-reading

program that provides a strong base for successful reading through systematic phonics instruction supported by decodable stories, along with instruction in fluency and comprehension. Reading Roots also fosters students' love of reading by providing rich literature experiences, extensive oral-language development, and thematically focused writing instruction. These objectives are embedded in a fast-paced, engaging, and highly effective instructional process. Students are assessed and regrouped according to their reading level every quarter to ensure that they receive the most focused instruction.

Reading Roots is built around forty-eight lessons. Separated into four levels, it supports concept development in oral-language development, phonemic awareness, phonics, word skills, fluency, and writing. Second and third grade nonreaders can be regrouped into Reading Roots classes.

Reading Roots provides a strong base for successful reading due to its emphasis on systematic phonics instruction through FastTrack Phonics. This phonics instruction is supported by decodable stories, and instruction in fluency and comprehension. In addition to providing the necessary basis for strong reading, Reading Roots fosters students' love of reading by providing rich literary experiences, extensive oral-language development, and thematically focused writing instruction.

Wings:

Reading Wings 4th Edition is a research-based reading curriculum that provides ninety-minute daily lessons over a period of five days and targets the needs of students reading on a second- through sixth-grade level who have successfully learned to decode but need to develop more sophisticated reading skills. To ensure that students become proficient readers, Reading Wings uses Success for All's core instructional structures to target vocabulary development, reading comprehension, fluency, oral-language development, and written expression by providing students ample opportunities with both narrative and expository text.

Targeted Treasure Hunts, a key component of the Reading Wings program, provides instruction focused on targeted reading skills and strategies. All the instruction accompanying each five- or six-day lesson cycle centers around a narrative or expository trade book or basal selection, allowing for background building, specific and technical vocabulary development, utilization of targeted skills, team discussion, relevant writing activities, and assessment.

Reading Wings further supports reading comprehension through the Savvy Reader. The Savvy Reader provides intensive, engaging introductions to each of the four core comprehension strategies—clarifying, questioning, predicting, and summarizing.

Additional Savvy Reader lessons provide comprehension strategy instruction throughout the year, and this instruction is reinforced through Targeted Treasure Hunts.

Middle School (Success for ALL).

SFA's middle and high school programs extend cooperative learning and detailed, effective lessons into the upper grades. Students learn the skills and strategies they need to read, comprehend, and analyze the complex content area texts they encounter in middle and high school. These programs are also designed to accelerate the academic development of struggling older students until they are achieving at, or above, grade level.

Edge:

Daily lessons in the Reading Edge 2nd Edition use a cycle of effective instruction. All parts of the cycle may be present during the course of one day's lesson, or the cycle may be developed over the course of several days. During the first portion of each lesson, teachers prepare students for learning. Through questioning and modeling, they lead students through the new content they need to complete the rest of the day's activities, whether reading a novel, conducting research, or working on a team product. Background videos are used to introduce new books.

This part of the lesson entails students take control of their learning, working as partners or teams while teachers circulate through the room checking with individuals or small groups of learners to monitor comprehension and to clarify misunderstandings. This is a teacher's chance to meet with students one-to-one for targeted instruction.

1st – 5th Grade Math (Everyday Math)

Educators, at the University of Chicago School Mathematics Project (UCSMP), develop Everyday Mathematics. This group is dedicated to helping children learn mathematics using a research-based approach. A rich body of research about children learning mathematics has influenced the Everyday Mathematics curriculum. Many sources have informed the development of lessons, activities, and teaching suggestions. Children in the early grades are capable of much more than had been previously thought.

Manipulatives facilitate modeling mathematical concepts and communication about those concepts, thus promoting the development of children's thinking. Through a comprehensive approach to differentiating instruction, Everyday Math provides a variety of ways to help students and teachers manage different backgrounds, learning styles and pacing needs.

Everyday Math employs cooperative learning activities, such as Explorations and projects to help students acquire language, communication and social interaction skills. The content provides all students with a balanced mathematics curriculum that is rich in real-world problem solving opportunities. The routines and algorithms the students use to complete computation and to problem solve have spiraled since kindergarten. Critical thinking skills, calculators and Excel spreadsheets are all part of the curriculum. Everyday Math structures content into grade level goals.

6th – 8th Grade Math (McGraw-Hill/Glencoe Mathematics)

Glencoe Math makes math real for students by empowering you to understand Common Core Math, which engages every student, and develops a classroom of critical thinkers. Rigor is built-in and supported throughout the program. The three components of rigor—conceptual understanding, application, and procedural skill and fluency—are embedded in resources, lessons, and even assessments.

Proficiency for all students is the goal. Meet students wherever they are in their learning. Assessments help you determine proficiency before, during and after lessons. Differentiated instruction resources ensure approaching-level students master concepts before moving on, while beyond-level students are continually challenged.

1st – 5th Grade Social Studies (Social Studies Alive)

TCI's online Social Studies Alive! programs teach students about the world around them in ways that make them excited to learn every day. Activities like the Revolutionary War tug-of-war capture their imagination and help them long remember key content. With TCI's elementary programs, students don't just learn social studies. They learn to love social studies.

The TCI approach is based on theory-and research-based active instruction: standards-based content; multiple intelligence teaching strategies; preview assignments; considerate text; graphically organized reading notes; processing assignments; and, multiple intelligence assessments.

6th – 8th Grade Social Studies (Houghton-Mifflin/World Cultures/American History)

World Cultures and Geography provide a clean, navigable design and is accentuated by an art program that is both engaging and instructional. Its strong skills program ensures that middle school students learn the Essential Elements and Themes of World Geography. The program ensures success for all learners and addresses state standards by integrating the content and skills necessary to meet them.

World Geography infuses the study of geography with streaming video, instructive games, and interactive features. With innovative learning assets like these, you can fundamentally change the way students experience social studies in general and world geography in particular.

World Geography not only revolutionizes and enhances instruction, but it also engages, inspires, and encourages the love of learning. We provide tools that help students connect with geography, see its relevance and importance in their lives, and integrate strategies and support to help them experience success.

United States History utilizes standards-based content and research-based reading instruction to teach American history. The U.S. history textbook program is infused with HISTORY streaming video, instructive games, and interactive features. In keeping with the Common Core State Standards, the program exposes students to a wealth of primary sources and develops critical skills, while requiring them to analyze a variety of perspectives and investigate key historical topics.

1st – 5th Grade Science (Science Alive)

Exploring Science Practices guides students in understanding the role of decomposers, consumers, and producers in a healthy ecosystem. Students study the geosphere, hydrosphere, atmosphere, and biosphere and learn how these systems interact. Students develop models to examine patterns caused by the relative positions of Earth and the sun, and identify matter as particles of matter too small to be seen.

6th – 8th Grade Science (Houghton Mifflin ScienceFusion)

ScienceFusion is a state-of-the-art science program designed for building inquiry, STEM, and optimized for learning in the classroom, at home, on a laptop, a tablet, or using a science textbook. The digital curriculum, virtual labs and hands-on activities, and write-in science textbook develops important critical thinking skills that prepare students for success in future science courses and in the workplace.

Physical Education

George Washington Carver Academy utilizes **Oakland Scope** for Health and Physical Education school-wide curriculum. It is aligned to Michigan's grade level content expectations.

DIGITAL TECHNOLOGY ASSESSMENT

George Washington Carver Academy promotes the continuous use of technology, individual student data and continuous assessment (formative, interim, and summative) to inform and differentiate all instruction to meet individual student needs. Academic goals driven by data are reviewed and evaluated to both State standardized tests and internal Scantron Performance and Achievement assessments guide our data-based implementation efforts.