



AAP Showcase
Luther Jackson Middle School
Raven Jones, Principal
January 30, 2024

Luther Jackson MS - School Culture

Tiger Code 3 R's - Respect, Responsibility, Relationships

Caring Culture - Everyone Belongs @ LJMS

Diversity is our strength

Social/Emotional Wellness

LJMS After Hours - Robust Activities



Luther Jackson MS - Students & Academics

- Relevant and Rigorous Classroom Instruction
 - **Focus on the Workshop Model**
 - **Level IV AAP Center**
- High quality lessons and projects (PBL)
- Portrait of a Graduate Skills - Learning Targets



- Literacy Focus : Read, Think, Write, Discuss
- Teacher Collaboration through CT (PLC Model)



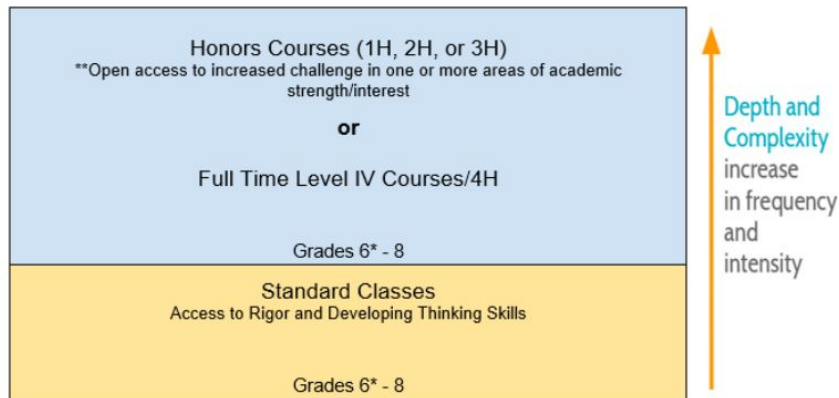
The 2 Goals of AAP in Middle School

TALENT DEVELOPMENT

OPPORTUNITY UNLOCKS POTENTIAL!

Provide all students with access to AAP curriculum and strategies, scaffold for success	Identify and nurture strengths and interests; explore possible career connections	Apply culturally responsive teaching principles; cultivate attitudes and mindsets that empower	Implement the Young Scholars model; monitor access to and achievement in advanced academics
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Middle School Differentiation to Meet the Needs of Advanced Learners



Meeting our goals requires:

- Development of **critical and creative thinking skills** in culturally responsive learning environments
- Rigorous and relevant curriculum in students' zone of proximal development.
- Opportunities for **reflection, goal setting, and exploration of passions and pathways**
- Differentiation “by name and by need” to address cognitive and affective needs
- Access to an academic peer group with similar needs for pacing and depth/complexity of learning
- **Advocacy for groups historically underrepresented in advanced courses (Young Scholars, Twice-Exceptional, English Learners)**

Advanced Academic Programs (AAP) K-12 Continuum of Services

Young Scholars Model (K-12)

Elementary School	Middle School	High School
Critical and Creative Thinking Strategies & Quarterly Access to AAP Curriculum (I)	IB Middle Years Program Grades 6 -10 (select schools)	
Differentiated Lessons in areas of Academic Strength (II)	Honors Courses in areas of Academic Strength/Interest Grades 7- 8	<ul style="list-style-type: none"> Honors Courses Advanced Placement International Baccalaureate Dual Enrollment Courses Thomas Jefferson High School for Science and Technology
Part-Time Advanced Academic Program (III)		
Full-Time Advanced Academic Program (IV) Grades 3 - 8		

Adapted from the Integrated Continuum of Special Services by Sally Reis and Levels of Service by Donald Treffinger.

Who to Contact

AAP Office:

Lawrence W. Randolph, Ed.D.

Fairfax County Public Schools

MS Education Specialist, Advanced
Academic Programs

- 571-423-4740
- AAP@fcps.edu

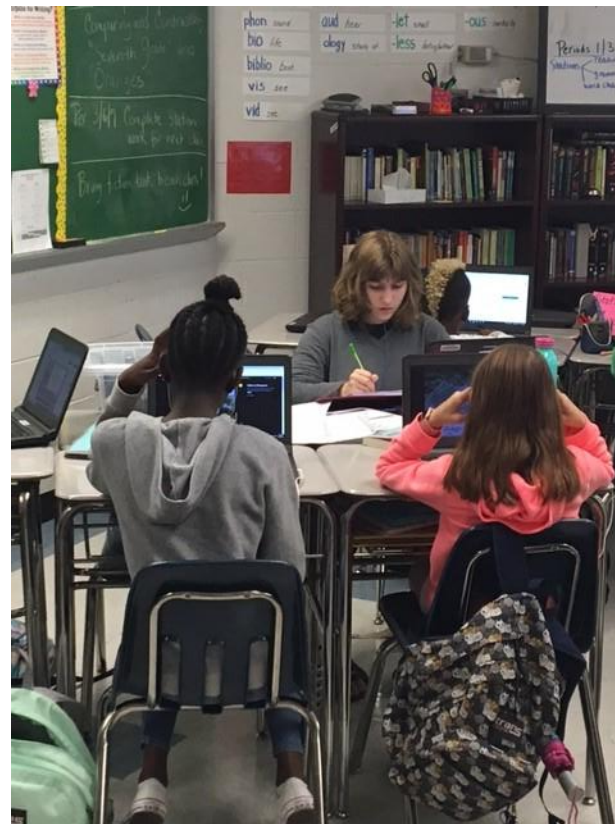
Luther Jackson AART:

Shawn English

- srenglish@fcps.edu

Academic Excellence in English

- Individual and collaborative lessons that are rigorous and engaging
- Challenging, high-level texts
- Focus on analytical writing
- Opportunities for discussion, debate, and self-expression
- Research-based projects
- Differentiated instruction for all learners
- High school-level skills



7th Grade English

Our content is organized by thematic units that are consistent with all FCPS middle schools. Fiction, nonfiction, and poetry are integrated into each unit, along with writing, grammar, and technology.

Quarter	Concept Based Units	Anchor Genre	Student Projects
1	Community; Identity	Narrative Fiction	Narrative Short Stories
2	Challenge	Expository (Informative) Nonfiction	Hero Websites
3	Perception	Persuasion	Where I Stand Debate
4	Connection; Growth	Autobiography	Memoir

Academic Excellence in Social Studies

- Rigorous, relevant, & engaging history lessons
- Challenging & high-level thinking about historical and modern day issues
- Individual and collaborative assignments
- Opportunities for self-expression
- Differentiated instruction for all learners
- Project and problem based learning
- Development of research and historical interpretation skills



Academic Excellence in Science

- Rigorous & engaging lessons
- Inquiry based lessons
- Challenging & high-level thinking
- Individual and collaborative assignments
- Opportunities for self-expression
- Differentiated instruction for all learners
- Project and problem-based learning



CLIMATE CHANGE
THE SCIENCE OF GLOBAL WARMING
MADE BY LYNN PALM

WHAT IS CLIMATE CHANGE?
CLIMATE CHANGE IS A LONG-TERM CHANGE IN GLOBAL CLIMATE CONDITIONS.

BASICS OF CLIMATE CHANGE
RISE IN GLOBAL TEMPERATURES CAN CAUSE STRONGER STORMS, STRONGER HURRICANES, WILDFIRES, AND THE LOSS OF WILDLIFE HABITAT. WARMER OCEANS CAN CAUSE STRONGER TROPICAL STORMS AND RISE IN SEA LEVELS.

SUBSTANCE OF CLIMATE CHANGE
GREENHOUSE GASES

CARBON DIOXIDE
CARBON IS ABSORBED FASTER THAN THE PROCESS OF IT BEING TAKEN AWAY.

GREENHOUSE GASES
GREENHOUSE GASES COME FROM ALL SORTS OF EVERYDAY ACTIVITIES SUCH AS DRIVING AND HEATING. TOO MUCH GAS TRAPPING HEAT ON THE EARTH AT NIGHT.

THESE ARE A FEW WAYS WE EMIT CO₂:

- BURNING FUELS SUCH AS GASES TO RUN VEHICLES
- BURNING FOSSIL FUELS TO PRODUCE ELECTRICITY
- CUTTING DOWN TREES AS WELL AS OTHER VEGETATION
- CEMENT PRODUCTION

Most Produced Greenhouse Gases from Human Activities

1#
MOST PRODUCED GAS IN THE WORLD IS CARBON DIOXIDE

PROOF OF CLIMATE CHANGE

1. CHANGING RAIN AND SNOW PATTERNING
2. CHANGES IN ANIMAL MIGRATION AND LIFE CYCLES
3. LESS SNOW AND ICE
4. THAWING PERMAFROST
5. HIGHER TEMPERATURES AND MORE HEAT WAVES
6. WARMER OCEANS
7. DAMAGED CORALS
8. RISING SEA LEVEL
9. CHANGES IN PLANT LIFE CYCLES
10. STRONGER STORMS
11. MORE DROUGHTS AND WILDFIRES

THE GREENHOUSE EFFECT
TOO MUCH HEAT MAY CAUSE CHANGE IN RAIN AND SNOW PATTERNING, RISE IN SEA LEVELS, AND MELTING ICE SHEETS.

THE GREENHOUSE EFFECT IS THE TRAPPING OF THE SUN'S HEAT IN PLANET'S LOWER ATMOSPHERE, WHICH KEEPS THE EARTH FROM FREEZING.

THE PAST
LEVELS OF CO₂ IN THE ATMOSPHERE HAVE INCREASED AND DECREASED IN A CYCLICAL PATTERN OVER THE LAST 800,000 YEARS. BECAUSE OF GLACIERS THAT REMAINED IN MOUNTAINS, ICE TREES, COALS, AND FOSSELS, WE WERE ABLE TO DETERMINE WHAT CLIMATE WAS LIKE BACK THEN.

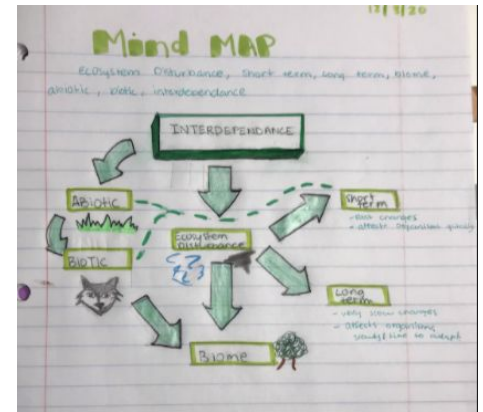
SOLUTIONS TO CLIMATE CHANGE

TO HELP PREVENT CLIMATE CHANGE, WE CAN:

- Reduce waste
- Switch to clean energy
- Watch our green use
- Travel green
- Use less energy

NATURAL FACTORS THAT HAVE CHANGED THE EARTH'S CLIMATE IN THE PAST:

- CHANGES IN THE EARTH'S ORBIT
- SUNSPOT CYCLES
- PHOTOSYNTHESIS
- VOLCANIC ERUPTIONS



Luther Jackson MS - Courses and Electives

- **AAP Courses**

- English 7, English 8, History 7, Civics 8, Science 7, Science 8
- Teams consist of 1 English, 1 History, and 1 Science Teacher
- Honors level: Math 7 HN, Algebra I HN, Geometry HN, and Algebra II HN

- **Electives**

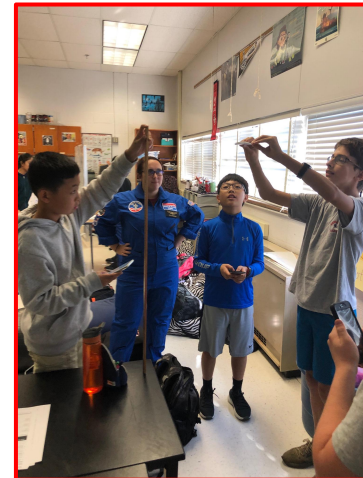
- Beg. Orchestra, Int. Orchestra, Adv. Orchestra,
- Beg. Band + Percussion, Int. Band, Adv. Band
- Vocal Ensemble, Chorus, Int. Chorus, Adv. Chorus, Basso Chorus
- Coding 1 and 2, Engr 1, 2, 3, and Tech Ed 8
- Theatre Arts, Technical Theatre, Adv. Theatre, Media Comm-Video Editing
- Media Comm-Journalism
- Creative Writing
- Art Foundations, Art Extensions, 3D Art
- FACS 1, FACS 2

- **World Language** - Chinese (A/B), French (A/B), Spanish (A/B)



Luther Jackson MS - After School STEM Activities

- TSA
- Robotics Club
- Chess Club
- Math Counts
- Science Olympiad
- Podcasting Club
- Maker-Space
- Get 2 Green Club



Luther Jackson MS - After School Program

- NJHS
- AALEAD
- Model UN
- Battle of the Books
- Yearbook
- Drama
- **8 Intramural Sports**
- Art Studio
- Video Game Club
- Pokemon Club
- Jackson Journal
- Student Government
- Appian Board Games
- **After school programs and buses are four days a week: M, T, W, and Th**



Luther Jackson MS - "The LJ Experience"



Positive School Culture

- **Advisory - meets daily**
small group Learning Seminar
- **Goal-setting, reflection, and**
intervention opportunities
- **Responsive Advisory lessons**



Celebrating Diversity at LJ

- English, science, and social studies are classes within the AAP program.
- In addition, AAP students have the advantage of experiencing the great diversity of the larger school population through Health and PE, electives, and advisory, and open enrollment honors level math classes.
- AAP students have shared that our courses are rigorous yet manageable with supportive teachers, and that their peers are encouraging and accepting.



Questions?

Please contact

Tanya Shuford, Director of Student Services

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[English 7 AAP Presentation - Click Here](#)

[History 7 AAP Presentation - Click Here](#)

[Science 7 AAP Presentation - Click Here](#)