

School Year 2023-24: Back to School Night @ LJMS

Science 7:
Investigations in Environmental Science



Welcome and Introductions



**Science 7 Teachers are Experienced
and Enthusiastic. We Look Forward to
a Fantastic School Year.**



Mr. Martinez



Mrs. Juergens



Mr. Whale



Ms. Paul



Ms. Mukhoty

Mrs. Juergens



Mrs. Gretchen Juergens

gjuergens@fcps.edu

gjuergens@fcpsschools.net

- 6 years with FCPS, 3 years at LJMS
- 22 years in education
- B.S in Biology-University of Illinois at Champaign/Urbana
- Masters in Education-Old Dominion University

Mr. Martinez



Mr. Martinez

Email: bdmartinez@fcps.edu

7 Years of teaching experience

4 Years in FCPS

B.S. Cellular Biology

Clothing Business Owner

Mr. Whale



Mr. Whale

- ❑ Email: npwhale@fcps.edu
- ❑ 8 years of teaching experience
 - ❑ First year at FCPS and LJMS
 - ❑ 5 years in Austin, Texas
 - ❑ 3 years in South Korea
- ❑ B.S. in Biology from Texas State University
- ❑ Frisbee Club Sponsor
- ❑ Track Coach

Ms. Paul



Ms.Paul

Email: mpaul@fcps.edu

- **16th year in education**
- **5th year with FCPS**
- **Masters in Zoology, Bachelors in Education from India**

Ms. Mukhoty



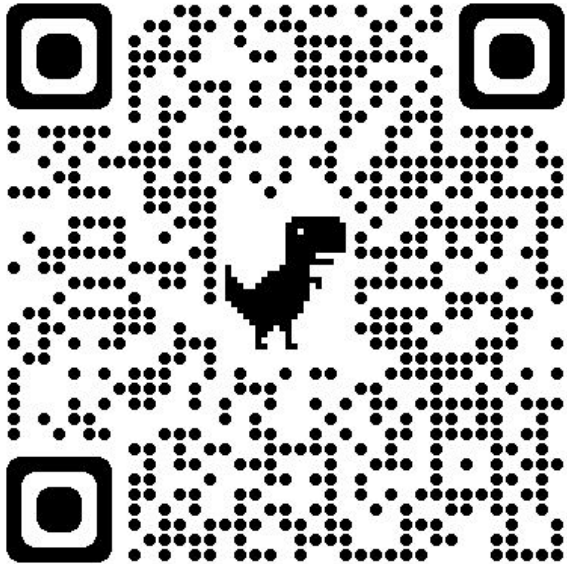
Ms. Mukhoty

Email: tmukhoty@fcps.edu

- **American University, M.S. Healthcare Management, 2021**
- **George Mason University, B.S. Psychology, 2017**

At Jackson Middle, our teachers will use a variety of digital resources to support student learning and promote communication and collaboration with students and families. Some digital resources — those that collect any student data or from vendors who have not established a formal contract with FCPS — cannot be used by students until we obtain consent from their guardian.

Please scan QR code below or go to website to sign the form!



<https://bit.ly/3PAXBMo>

Science 7 Curriculum

The Life Science curriculum has 4 units:

- **Unit 1** - Interactions and Interdependence in Ecosystems
- **Unit 2**- Cause & Effect Relationships in Ecosystems
- **Unit 3**- Stability and Change in Living Systems
- **Unit 4**- Stability and Change in the Hereditary System



Honors and AAP students will cover the same topics, however some student products and processes used for learning will be different and incorporate a higher level of rigor. For example, AAP students may use the science flex period for an extension activity, instead of review, unless review is needed.

Curriculum

LJMS WORKSHOP MODEL ESSENTIAL COMPONENTS

open-ended tasks
real/ authentic tasks
multiple entry points
differentiated

student-paced
student-driven
varied modalities

INDEPENDENT STUDENT WORK IS DRIVEN BY:



PRODUCT CREATION

Students will produce something each time they engage with the content!
(ex. discussion, tangible product, learning synthesis, reflection)



INSTRUCTIONAL TECH

Students will use engaging instructional technologies to interact with content!



LITERACY ENGAGEMENT

Students will read, write, listen, and/or speak during every workshop.

GUIDED STUDENT WORK OCCURS IN SMALL GROUP LEARNING:

Teacher will work with students in small groups or individually on skills determined by formative assessments.



WORKSHOPS WILL ALWAYS INCLUDE:

Community Builder & Warm Up
Explicit Skill teaching
Built-in formative checks



- ❑ A typical class will consist of a combination of teacher direct instruction, independent work, and cooperative group work. Students will complete lab activities from the Science 7 curriculum, notebook work, discourse, and reflection.
- ❑ Students will use digital tools such as Pear Deck, EdPuzzle, Google Apps, and Gizmos. Most applications will require students to log in with their FCPS Google account.
- ❑ Graphic organizers, notes, videos, teacher check ins, direct teaching, community builders, social emotional check-ins.

Classwork Information

Science classwork will include a mix of experiences for students. Teachers will use demonstrations, develop hands on activities, incorporate the use of science equipment such as microscopes and measurement probes, scientific writing and drawing, modeling, and other methods to establish a rich blended learning experience for our students.

The schoology platform will be used to house daily lesson links that students will be taught to access and use both in class and when/if they are absent. We believe this will offer all students a supported environment in which to learn science.

Students are expected to use and maintain a spiral notebook for notes and processing activities. The notebook is strategic to their learning and must be brought to class everyday. Parents can review the notebook with the students to monitor their progress.

Assessments and Grading Policies

Science 7 teachers will employ a variety of assessment opportunities to determine the level of understanding students have. We will use the latest LJMS grading policy which employs the use of 3 categories:

Non-graded Practice-includes warm-ups, notebook pages, lab questions
Digital tools, etc.

Practice- -includes warm-ups, notebook pages, lab questions
Digital tools, etc.

Mastery- includes tests, quizzes, project work

Communication Protocols

- ❑ Parents will be contacted by email as needed.
- ❑ Teachers will respond to parent or student email messages within 24 hours during the school week.
- ❑ Contact information for each teacher can be found on Schoology and ParentVue/StudentVue.