



## K-12 Science Professional Learning Opportunities Guide 2023 - 2024

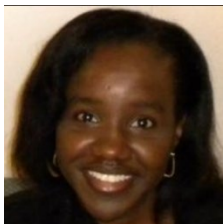
### Welcome to Metro RESA K-12 Science

Welcome to Metro RESA's K-12 Science professional learning opportunities guide for the 2023-2024 school year. The K-12 science specialist and the professional learning department plan, coordinate, and deliver all courses, workshops, endorsements, and training events for Metropolitan Regional Educational Service Agency (Metro RESA). Metro RESA offers regularly scheduled courses/events, on-site professional learning options, and custom-designed professional learning to meet individual school and system needs by request. Custom-designed professional learning opportunities are conducted based on system and school requests meeting the unique goals and needs of the individual school system and/or schools. Metro RESA is committed to building the capacity of all educators in the metro area through courses, workshops, collaborative consortiums, and other activities. In addition to these opportunities, the **K-5 Science Endorsement** is offered, along with eleven other endorsement options. More information about the programs and services offered at Metro RESA can be found at [www.mresa.org](http://www.mresa.org)

#### Overview of Metro RESA K-12 Science Specialist Service Offerings

- Professional learning for administrators, instructional coaches, teachers, paraprofessionals, and substitute teachers
  - Resource and informational updates through communication platforms and website resource pages
  - Consultative assistance in various areas of Science curriculum and instruction by request
  - On-site professional learning (Email [reagan.biwott@mresa.org](mailto:reagan.biwott@mresa.org) for more information and to schedule)
    - Custom-designed professional learning to meet school or district-based needs
- OR**
- Select from the 2023-2024 menu of K-12 Science on-site professional learning options (p.2)

### Metro RESA K-12 Science Specialist



Dr. Reagan Biwott currently serves as the Science Instructional Supervisor and K-5 Science Endorsement Coordinator at MRESA where she facilitates on-site and job-embedded professional learning for K-12 Science educators, as well as Science, Technology, Engineering, Arts, and Mathematics (STEAM) educators in the twelve metropolitan Atlanta school districts. She was formerly a science professional learning specialist in Marietta City Schools where she supported K-12 science teachers' professional development through a variety of IB, Science, STEAM, GSE, and assessment trainings, as well as PLC work, coaching, assessment development, curriculum writing, and teaching science endorsement courses. Before that, she was a middle and high school science teacher, as well as a university science instructor for undergraduate level pre-service elementary teachers and graduate level in-service secondary science teachers. As an educator of 24 years who is passionate about integrated and inclusive learning, Reagan has served on the Human Anatomy and Physiology Georgia Standards of Excellence writing team, various GaDOE End of Course assessment writing teams, as a GaDOE Science Advisory Council member, and a GaDOE Science Ambassador. She has been a keynote speaker and a presenter at various local, state, and national conferences and is a member of the National Science Teaching Association, Georgia Science Supervisors Association and Georgia Science Teachers Association where she formerly served as a board member and editor of *The Georgia Science Teacher*. Contact Dr. Reagan Biwott at [reagan.biwott@mresa.org](mailto:reagan.biwott@mresa.org).

## Metro RESA K-12 Science Menu of On-Site Professional Learning Options

On-site professional learning is available upon request. Professional learning options for K-12 Science are listed in the menu below but are not limited to the listings offered. *Specialists are also able to conduct on-site professional learning that is customized to meet district or building needs.*

- Teaching 3-D Science with Fidelity
- Using Phenomena in 3-D Science Classrooms
- Using Crosscutting Concepts in 3-D Science Classrooms
- 3-D Science Assessment
- Equity and Diversity in the 3-D Science Classroom
- Effective Planning Protocols for Implementing 3-D science
- Science and Disciplinary Literacy
- Authentic Math/Science Integration
- Authentic STEM/STEAM
- Project WET/Wild/Learning Tree Certification

## Science Leader Job-Alike Consortium

The Georgia Science Supervisors Association (GSSA) Job-Alike Consortium is a collaborative group designed to bring together district personnel working in Science leadership positions across metropolitan Atlanta and surrounding area school districts in Georgia. This collective group meets to enhance their craft, share knowledge, and build opportunities for educators. The networking meetings combine resources, information sharing, discussion, and action planning around relevant K-12 topics. Meetings consist of state guidance, professional development, networking, and sharing of science professional learning services to meet the needs of the K-12 science educator. Group participants have opportunities prior to each meeting to provide input on agenda topics. The meetings are held four times a year. **Audience: District-Level Science Leaders**

Meeting	Date	Time	Location
Quarter 1 Job-Alike	August 28, 2023	9:00 a.m.-12:30 p.m.	Marietta City Schools Central Office
Quarter 2 Job-Alike	TBD	TBD	TBD
Quarter 3 Job-Alike	February 21, 2024	9:00 a.m.-3:00 p.m.	Columbus GA Trade & Convention Center
Quarter 4 Job-Alike	TBD	TBD	TBD

While Metro RESA collaborates with school district personnel to accommodate professional learning needs within school districts, we also offer in-house training through our agency which can accommodate educators across districts. To register for any of the workshops below, visit the website at [www.mresa.org](http://www.mresa.org) under courses and events. Registration typically closes two weeks prior to the workshop and those registered will receive event details at least 48 hours prior to the event.

<b>AP Science High Impact Strategies for Student Success Workshops</b> <b>\$99 Fee/Workshop</b> <b>30 Participant Capacity/Workshop</b>			
<b>Content Focus</b>	<b>Date</b>	<b>Time</b>	<b>Location</b>
AP Biology and AP Environmental Science	November 6, 2023	9:00 a.m-3:00 p.m.	MRESA Auditorium
AP Chemistry and AP Physics	November 15, 2023	9:00 a.m-3:00 p.m.	MRESA Auditorium

<b>Projects WET, WILD and Learning Tree Certification Workshops</b> <b>\$99 Fee/Workshop</b> <b>30 Participant Capacity/Workshop</b>			
<b>Grade Level Focus</b>	<b>Date</b>	<b>Time</b>	<b>Location</b>
PK-2 Educators	November 28, 2023	9:00 a.m-3:00 p.m.	MRESA Auditorium
6-12 Educators	January 17, 2024	9:00 a.m-3:00 p.m.	MRESA Auditorium

<b>Population Education Workshops</b> <b>\$99 Fee/Workshop</b> <b>30 Participant Capacity/Workshop</b>			
<b>Grade Level Focus</b>	<b>Date</b>	<b>Time</b>	<b>Location</b>
K-5 Educators	January 24, 2024	9:00 a.m-3:00 p.m.	MRESA Auditorium
6-12 Educators	January 30, 2024	9:00 a.m-3:00 p.m.	MRESA Auditorium

<b>2024 Great American Eclipse Workshops</b> <b>\$99 Fee/Workshop</b> <b>30 Participant Capacity/Workshop</b>			
Grade Level Focus	Date	Time	Location
K-5 Educators	March 22, 2024	9:00 a.m-3:00 p.m.	MRESA Auditorium
6-12 Educators	March 25, 2024	9:00 a.m-3:00 p.m.	MRESA Auditorium

<b>Page Keeley Workshops</b> <b>60 Participant Capacity/Workshop</b>			
Grade Level Focus	Date	Time	Location
K-5 Educators	TBD	TBD	MRESA Auditorium
6-12 Educators	TBD	TBD	MRESA Auditorium

<b>GaDOE Science Workshops</b> <b>60 Participant Capacity/Workshop</b>			
Grade Level Focus	Date	Time	Location
K-5 Educators	TBD	TBD	MRESA Auditorium
6-12 Educators	TBD	TBD	MRESA Auditorium

**Questions?** Please contact Dr. Reagan Biwott at [reagan.biwott@mresa.org](mailto:reagan.biwott@mresa.org)