

# Clean Air Partners Executive Committee Meeting

Education Program Updates

Elizabeth Spike, Education Program Manager

March 21, 2024



How can we educate students to transform awareness of air quality and climate change into personal actions that protect their communities in the Baltimore-Washington region?

Objective: Promote the use of <i>On the Air</i> curriculum. (FY 2023 Work Plan)			
Activity	Target CAP participating member school systems, charter, private, and independent schools in the District of Columbia, Maryland, and Northern Virginia.	Build relationships with stakeholders in public, charter, private and independent schools, school districts, and teachers of grades 5-12 across the BW region to create legacy and longevity for the CAP's Education Program.	Develop evaluation tools to conduct a needs assessment and gauge the extent of promoting the <i>On the Air</i> curriculum and <b>Train-The-Trainer</b> model in the BW region.
DATA / METRICS	Numbers of Schools School Type, Grade Levels, Subjects Geography	Current network Surveys Partnerships to build new relationships	Stakeholder experience Surveys Needs Assessments Communication/Support

# Promote the use of *On the Air* curriculum: Target CAP participating member school systems

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## Local conferences:

- MAEOE 2/9-2/10
- VAEE 2/22-2/24



## Science Fairs:

- APS 3/2
- FCPS, VA 3/16
- LCPS 3/20
- FCPS, MD 3/23



## Network contacts via:

- School Districts
- Environmental Org's
- Affiliations:
  - MAEOE
  - AWMA
  - CEEJH
  - VA Lottery



## Constant Contact, Social Media, Wix, and CAP email messages:

- LTLC
- EVADC/CAP

Promote the  
use of  
*On the Air*  
curriculum:  
Building  
Relationships



VDOT/CAP online presentation February 7, 2024

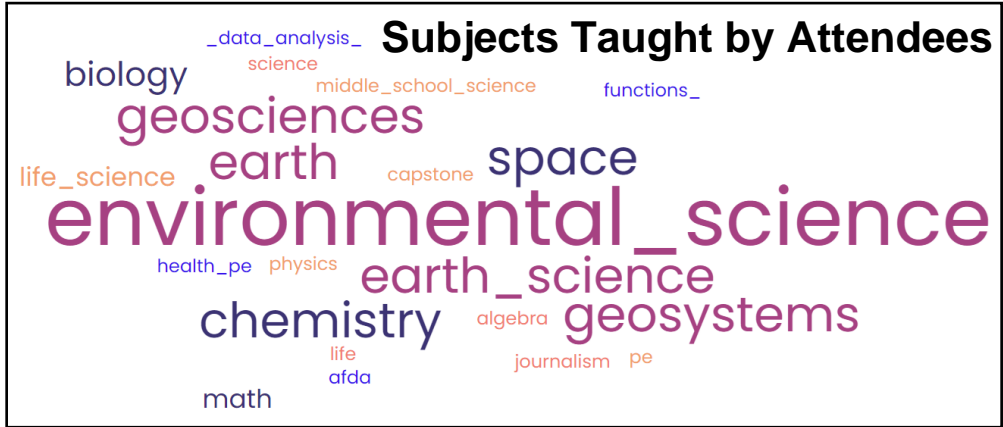


**MAEOE** Maryland Association for Environmental  
& Outdoor Education

Exhibitor/Sponsor February 9-10, 2024

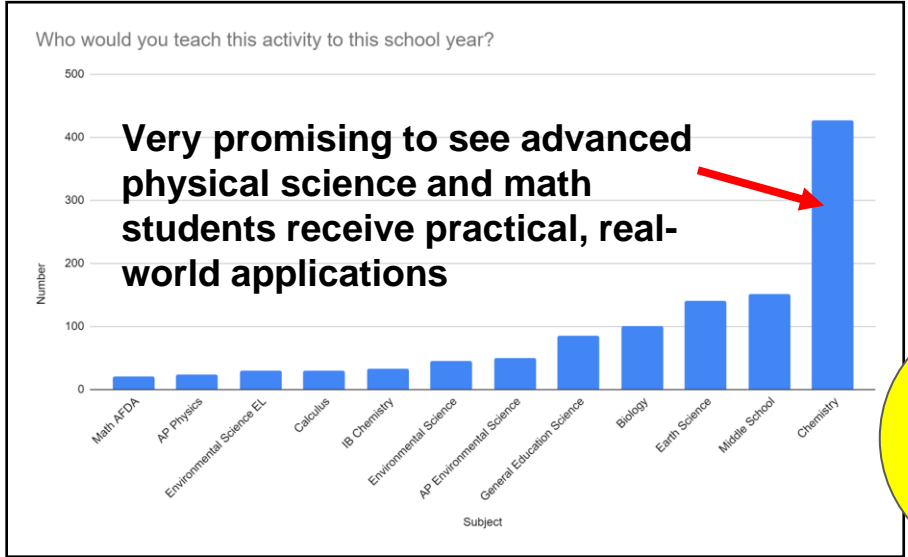


Presenter/Exhibitor/Sponsor February 22-24, 2024

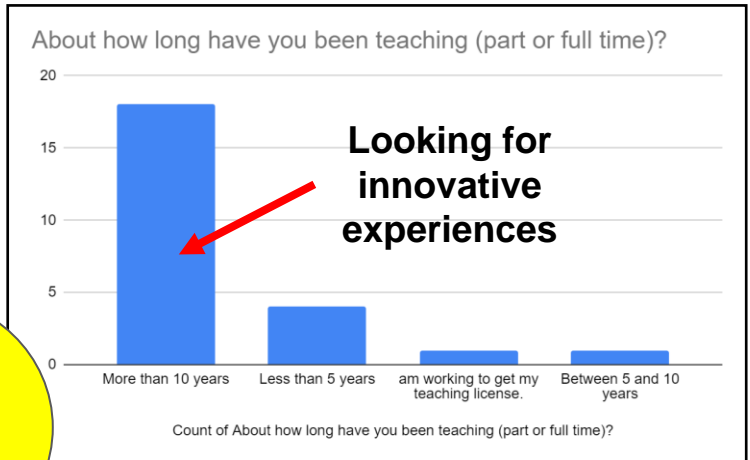


February 7, 2024  
Arlington County Public Schools

How can we address air pollution related to traffic in Virginia?



544 potential students



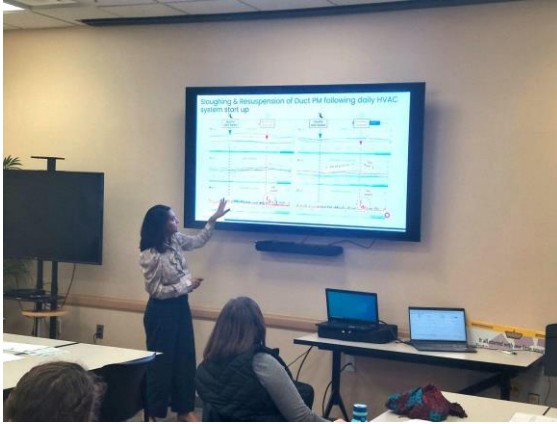
February 9-10, 2024  
Maryland Association for Environmental and Outdoor Education



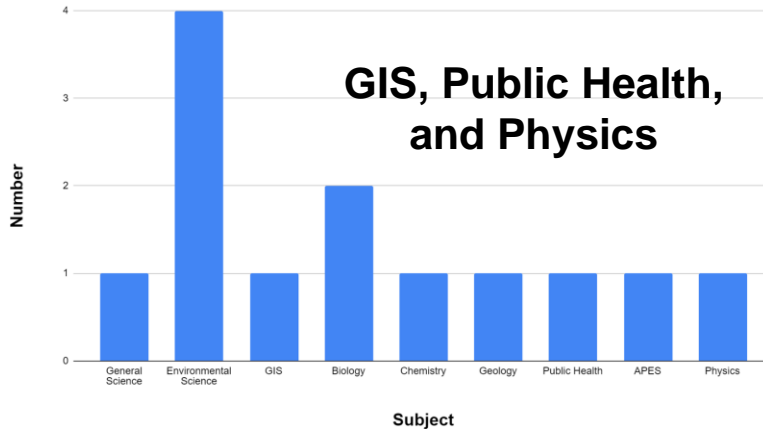
Clean Air Partners tabled.

'Funny Pictures' broke the ice  
and  
made attendees smile!

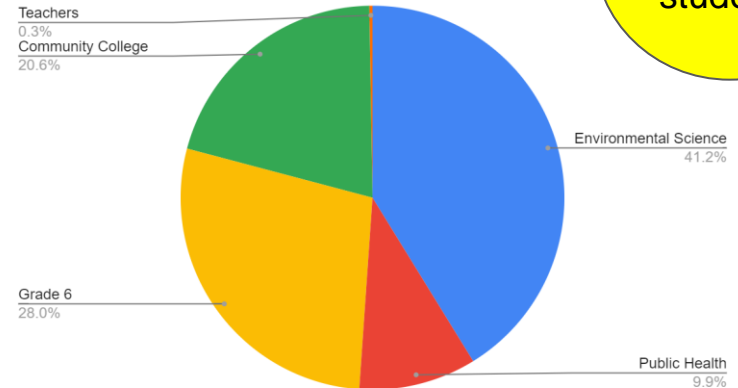
# February 23, 2024 Virginia Association for Environmental Education



Subjects Taught by VAAE Attendees-Formal and Non-Formal Educators from Elementary to Post-Secondary Levels



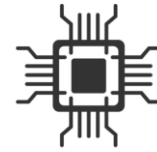
How many students could On the Air serve?



364  
potential  
students

Promote the  
use of  
*On the Air*  
curriculum:  
Building  
Relationships

Build Your Own STELLA-AQ



Step 1: Parts Needed



Step 2: Build Instructions



Step 3: Programming  
Instructions

NASA STELLA DIY Low-Cost Sensor



Local Teachers



Promote the  
use of  
*On the Air*  
curriculum:  
Building  
Relationships



Resource Provider



Sponsorships



LTLC Summer Luncheon

Promote the  
use of  
*On the Air*  
curriculum:  
Feedback  
Tools



Updated feedback form with more insightful and actionable questions



Upcoming Debrief Focus Group

- Glows and Grows
- Suggestions for improvement



Proposed changes to Lead Teacher Learning Community structure—three concerns

# On the Air Train-the-Trainer model (current model in blue + **concerns in yellow**)

Modest payment for trainings only

Data and Feedback inform planning and programming



Lead Teachers are paid for training colleagues

Recruitment challenges

Teachers in the Baltimore Washington region

Lead Teacher Learning Community

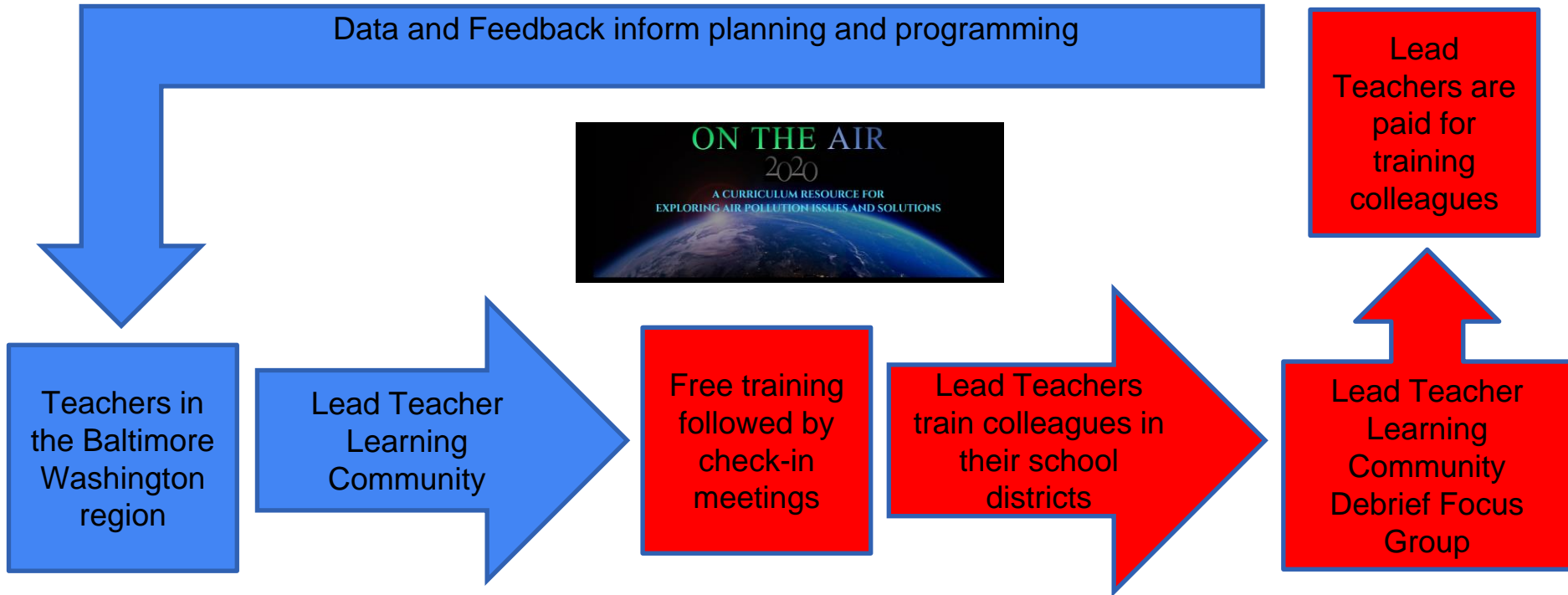
Free training followed by check-in meetings

Lead Teachers train colleagues in their school districts

Lead Teacher Learning Community Debrief Focus Group

10 On the Air activities is unrealistic (for now)


# *On the Air* Train-the-Trainer model (changes to red polygons)



To ensure longevity and fidelity, we continue to pay \$500 per teacher but break it down like this--

Activity per Lead Teacher	Hour(s)	Cost/Hour	Sub Total
Introduce CAP/LTLC/OTA online	1	30	30
Train-the-Trainer (10 activities, 1 per hour) online	10	30	300
Meet/Greet CAP BM (20 minutes x 3 BMs) online	1	30	30
Pilot test the OTA activity in their classrooms	1	30	30
Teach 1 OTA activity (e.g. OTA activity they teach in one hour to at least 5 teachers with teacher feedback)	1	50	50
Focus Group + Check-in's	2	30	60
<b>Total</b>			<b>500 (in Spring per MOU)</b>

Original  
structure to pay  
teachers for  
each training if  
MOU met

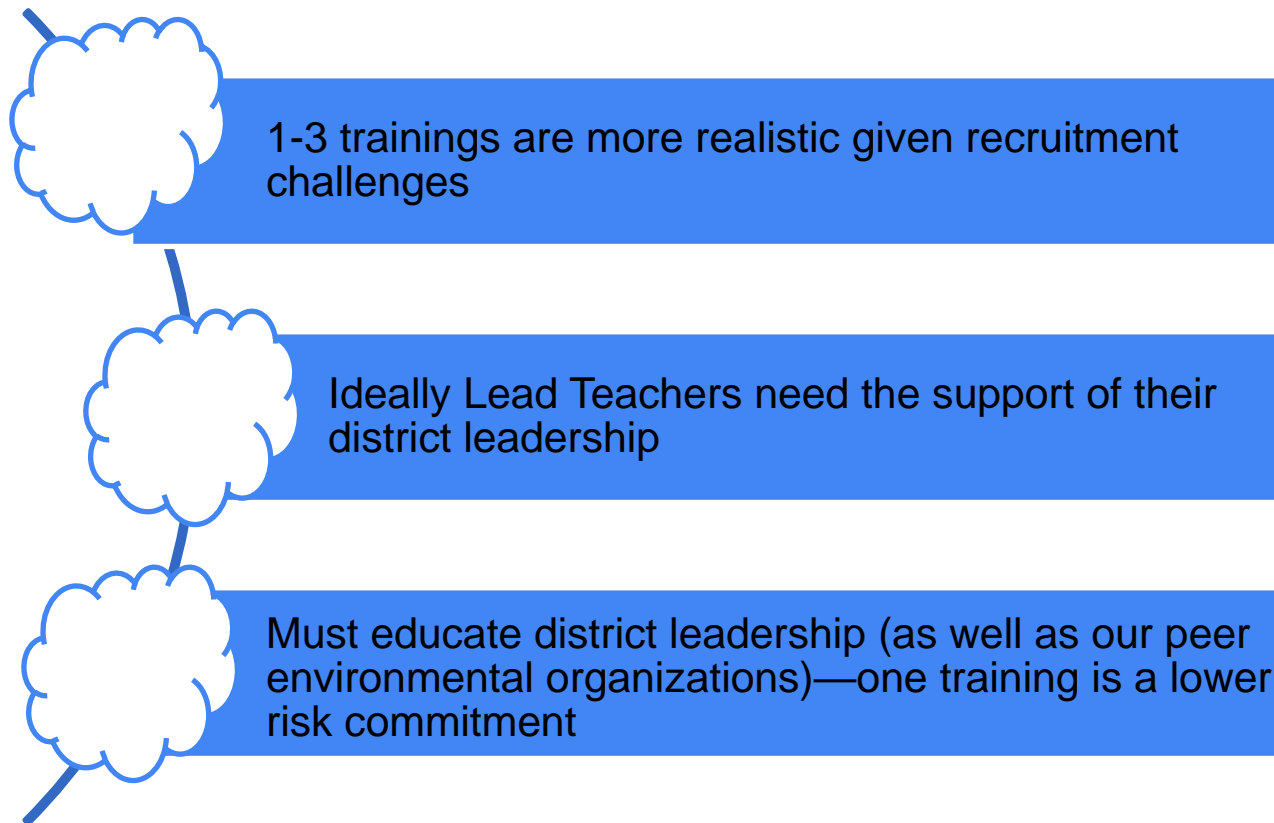




- Goal: recruit, train, and manage 10 Lead Teachers in SY24-25 to promote On the Air, totaling \$5,000 (same amount as this school year)
- SY 23-24, we have committed to \$300 so far. Not even close to the budget of \$5,000 for the LTLC.
- Attune sponsorship can pay for two more trainings, \$100 per teacher (earn \$600 max)

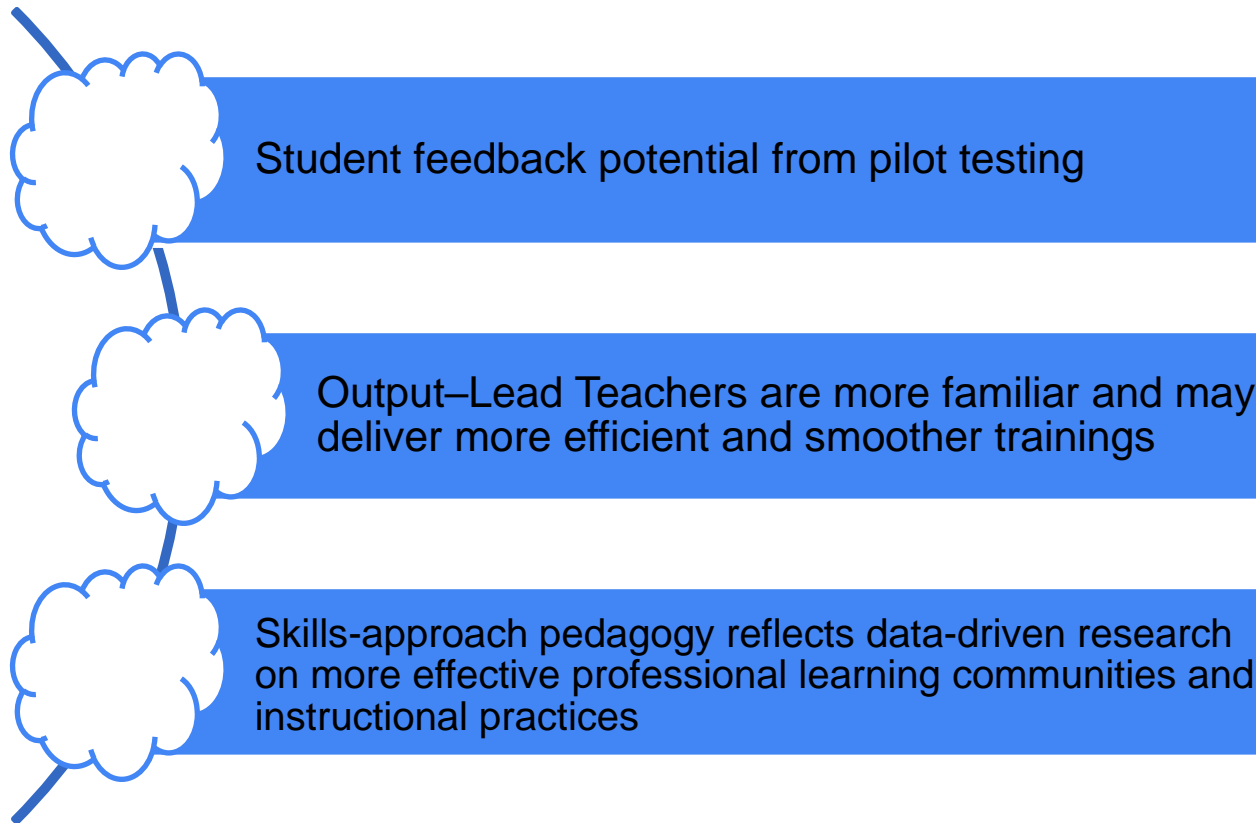
# How these proposed changes can support the promotion of *On the Air*

**One training is easier than 10**



# How these proposed changes can support the promotion of *On the Air*

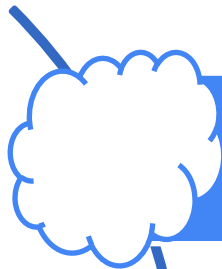
## **Pilot testing *On the Air* in classrooms**





# How these proposed changes can support the promotion of *On the Air*

## Payment is more comprehensive



Teachers are incentivized to learn, pilot test, and teach *On the Air* activities by paying them for preparation, delivery, and data collection (vs delivery/data)



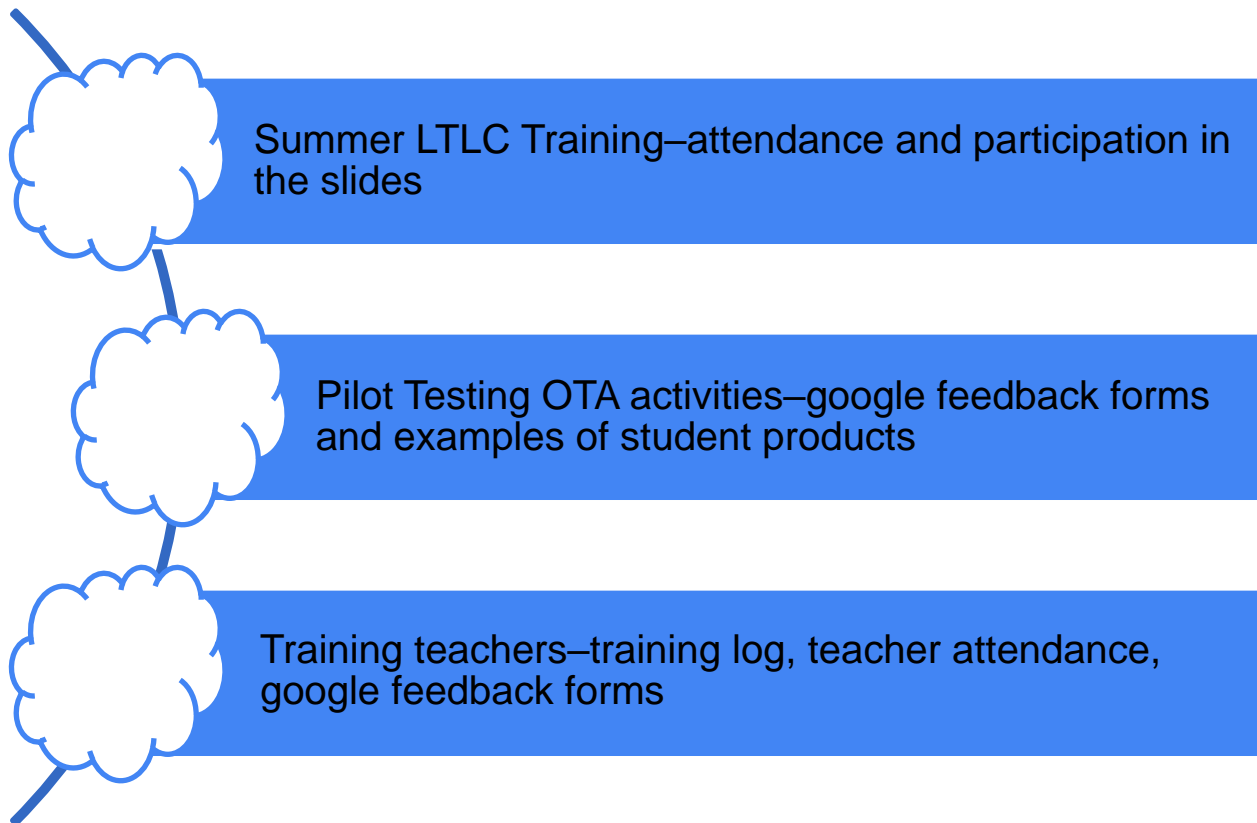
Payment in Spring after MOU obligations met; however, the payment is more inclusive and respectful of limited teacher time



This may make joining the LTLC more appealing

# Evaluation for proposed structural changes

Each task will have a feedback tool to collect key indicators we can use to inform planning and management of the Lead Teacher Learning Community.



# Questions?

Contact me at [espikes@cleanairpartners.net](mailto:espikes@cleanairpartners.net)

Let's partner. Interest in..

- attending the focus group
- attending the summer luncheon
- co-presenting
- joining a summer LTLC training—introduce yourself, your org, your commitment to AQ
- introducing me to your networks
- collaborating on grants and sponsorships
- introduce myself to your organization