How to incorporate Climate Education and Environmental Justice: In and Out of the Classroom

Lolita Kiorpes
North Point High School
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NSTA Conference
National Harbor
Copy this link and pin your location!
*HS Science - Teach biology and intro to biotech, intro to environmental,
*Chesapeake Bay Foundation TELL mentor
*2016 Recipient PIAEE award, plus
*Climate Change Teacher leader/mentor
*Ocean Guardian School Lead Teacher
First OGS in MD, grant program. On 7th grant, awarded a banner with each grant, First OGS on East Coast to receive 5 or more banners!
*Mallows Bay-Potomac River NMS Advisory Council Education alternate

*Goals: get students involved, plant trees, canoe, study water quality, trash clean-up, macroinvertebrates, migratory bird counts - Introduce different environments
*Build community partnerships get students with the community, inside or outside.
*Foster-Stewards of the Environmental
Ease Climate Education into the lessons/compare to NGSS
Ease Environmental Justice in lessons
Sample activities that blend Life Sciences and Environmental Justice with Climate Education
Suggestions- show student’s real issues- offer opportunities, guidance on how to make a difference, they have a voice
Get students invested, they will take charge, be the change

Bring field experiences to the classroom. Teach conservation.

Offer lessons without words. Big commitment from you, BUT student connections even bigger!

Trout in the classroom

Trout release

Terrapins

Horseshoe crabs
#3 Have you ever gotten a grant for student activities? 

Yes, No,

Survey slide

Lots of money available, just have to look – many are grants and applications have rolling dates or specific due dates. Here are a couple: https://cbtrust.org/grants/environmental-education-mini/

https://www.epa.gov/education/grants
Thank you for coming!

Questions/Comments?

lkiorpes@ccboe.com

Resources:

https://mde.maryland.gov/programs/Air/MobileSources/idlefreeMD/Pages/index.aspx
https://dnr.maryland.gov/ccs/Pages/are.aspx
https://sanctuaries.noaa.gov/education/
https://sanctuaries.noaa.gov/
https://www.climate.gov/teaching/resources/take-aim-climate-change
https://www.towson.edu/fcsm/centers/stem/loanerlab/
https://www.cbf.org/join-us/education-program/professional-learning/
https://www.cbf.org/join-us/education-program/mwee/