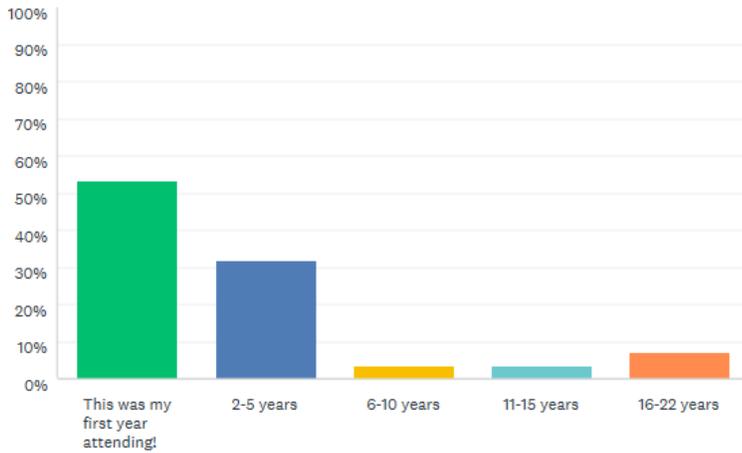


2019 Barnegat Bay Environmental Educators Roundtable Evaluation

We had 53 people register, 48 attended, 28 (58%) responded to this online evaluation survey.

1) How many years have you attended the Barnegat Bay Environmental Educators Roundtable?

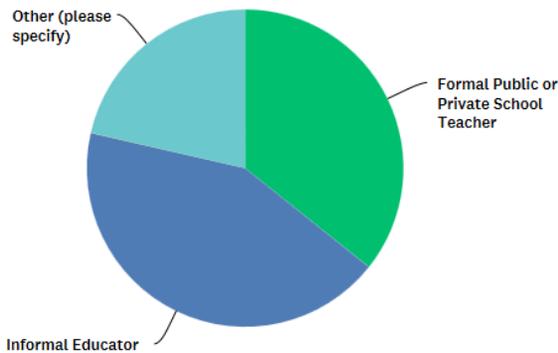
Answered: 28 Skipped: 0



ANSWER CHOICES	RESPONSES
▼ This was my first year attending!	53.57% 15
▼ 2-5 years	32.14% 9
▼ 6-10 years	3.57% 1
▼ 11-15 years	3.57% 1
▼ 16-22 years	7.14% 2
TOTAL	28

2) Which best describes your role as an educator?

Answered: 28 Skipped: 0



ANSWER CHOICES	RESPONSES
▼ Formal Public or Private School Teacher	35.71% 10
▼ Informal Educator (Naturalist, Environmental Educator, Garden Educator, etc...)	42.86% 12
▼ Homeschool Teacher	0.00% 0
▼ Other (please specify)	Responses 21.43% 6
TOTAL	28

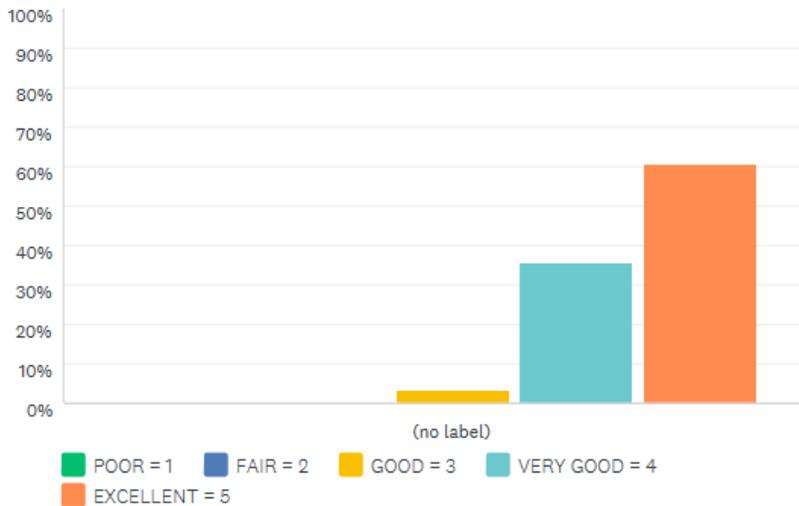
** "Other" includes: OCC student Retired teacher, College Faculty, Master Naturalist (2), Instructional Assistant, Interested Citizen

3) What grade and/or subject/topic do you teach?

- N/A (5 responses)
- All (2 responses)
- Pre-K-5, plus family groups
- Grades K-3 (2 responses)
- Grade 2
- Grade 3-4: Language and Math
- Grades 1-12: Environmental and Marine Topics
- Grades 1-12 and Adult: Marine Biology
- Middle School Stem
- Grade 8-12: Physics and Chemistry
- Grade 8: Science
- Grade 9: Environmental Science, Earth Science
- Grade 9: Environmental Science, Biology
- AP Biology, Marine Biology, Anatomy/Physiology
- College: Environmental Sustainability Education and Science Education
- Science Department Chair, Curriculum Director; Grade 9: Physical Science, Algebra 1; Grade 11: Algebra 2; Grade 12: Physics
- Sustainability Podcast
- Water Resources
- Engaging the community unaware of environmental topics...use of social media platform to share tools, outreach to many who are unaware of the various opportunities to be involved.
- Environmental Education

4) Please provide an OVERALL RATING for the Environmental Educators Roundtable.

Answered: 28 Skipped: 0



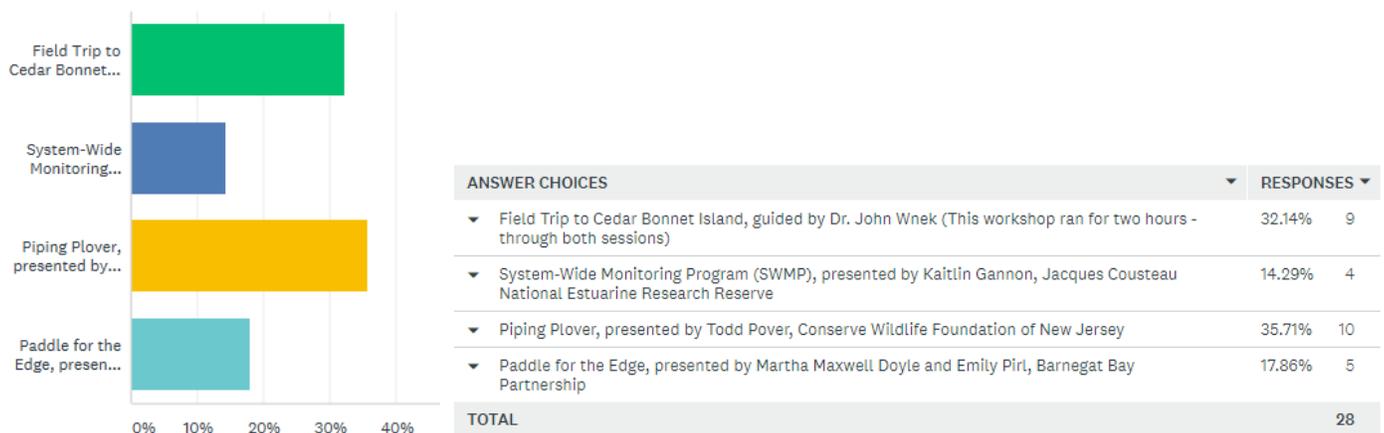
	POOR = 1	FAIR = 2	GOOD = 3	VERY GOOD = 4	EXCELLENT = 5	TOTAL	WEIGHTED AVERAGE
(no label)	0.00% 0	0.00% 0	3.57% 1	35.71% 10	60.71% 17	28	4.57

Comments (Overall Rating):

- All presenters enthusiastic and very knowledgeable, information provided valuable and useful *(Respondent attended the “Field Trip to Cedar Bonnet Island”).*
- Learning more about the terrapin project and the science behind the scenes at the Forsythe Cedar Bonnet field experience was enriching. I was inspired to do more. As an added bonus, I learned of a great location for birding. *(Respondent attended the “Field Trip to Cedar Bonnet Island”).*
- Well organized, speakers and exhibitors were friendly, knowledgeable and engaging. *(Respondent attended the “Field Trip to Cedar Bonnet Island”).*
- I learned a little bit about some great informal education programs in the state but was surprised by what was presented for classroom teachers – much of it was “tried and true” activities that already exist. *(Respondent attended “Paddle for the Edge” and “Connecting Students with Climate Change” workshops.)*
- I always come away with a wealth of information *(Respondent attended “The Effects of Climate Change on Piping Plover” and “Connecting Students with Climate Change” workshops.)*
- Well planned, great workshops. My only regret is that by the time I could get away from work and then deal with traffic, I missed the very early dinner time, so only got dessert – which was very good. *(Respondent attended “The Effects of Climate Change on Piping Plover” and “The Water Cycle and Climate Change” workshops.)*

5) Please identify the workshop you attended in SESSION 1:

Answered: 28 Skipped: 0



6) Please rate the workshop you attended in SESSION 1: *(The graph reflects the rating for all workshops in Session 1)*

Answered: 28 Skipped: 0



	POOR = 1	FAIR = 2	GOOD = 3	VERY GOOD = 4	EXCELLENT = 5	TOTAL	WEIGHTED AVERAGE
Overall rating for this workshop	0.00% 0	0.00% 0	3.85% 1	42.31% 11	53.85% 14	26	4.50
I learned ways to incorporate this topic into my existing curriculum	0.00% 0	0.00% 0	23.08% 6	50.00% 13	26.92% 7	26	4.04
The instructor was well prepared, engaging and knowledgeable	0.00% 0	0.00% 0	7.14% 2	25.00% 7	67.86% 19	28	4.61
The instructor provided appropriate hand outs, materials and resources that support my lessons and/or instructional activities	3.57% 1	0.00% 0	7.14% 2	32.14% 9	57.14% 16	28	4.39

Comments (Session 1):

Field Trip to Cedar Bonnet Island:

- We learned the background information from MATES students and got prepared for our walk and survey of the area.
- Presenter was very engaging and dynamic. Students discussing their research were very confident and knowledgeable.
- We did some hands-on research on the quality and conductivity of the soil.
- This was an amazing opportunity for learning!
- The trip to the island was too long, valuable time wasted during transportation, would have liked more info on terrapins, perhaps a slide show or other type of demonstration.
- Dr. Wnek is so engaging, and the interns were prepared, smart, and great to talk with and hear about their experiences with learning.

Effects of Climate Change on Piping Plover:

- More informational
- This was an information session that could have been geared more towards educators. Mr. Pover knows his topic.

Paddle for the Edge:

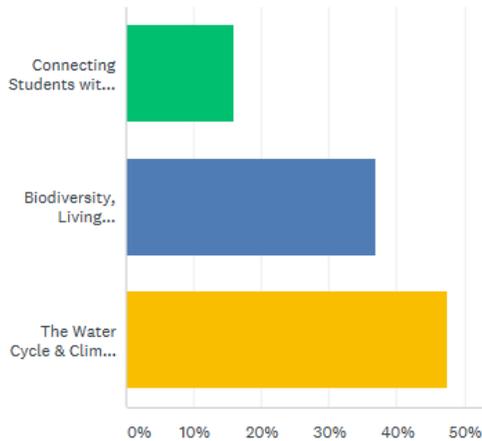
- Would love to extend the program to the Raritan Bay!!
- I loved it and want to help out.
- This was a great program and I'd love to advertise it more widely.

System-Wide Monitoring Program

- Good show

7) Please identify the workshop you attended in SESSION 2:

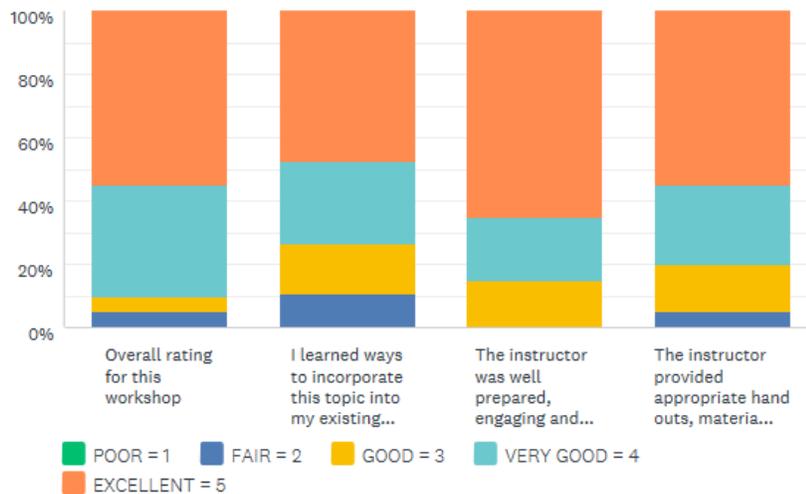
Answered: 19 Skipped: 9



ANSWER CHOICES	RESPONSES
Connecting Students with Climate Change, presented by Rosemary Higgins and Mindy Voss, NJ Sea Grant Consortium	15.79% 3
Biodiversity, Living shorelines and Water Quality, presented by Chris West and Wes Dalzell, ReClam the Bay	36.84% 7
The Water Cycle & Climate Change, presented by Dr. Steve Yergeau, Rutgers Cooperative Extension of Ocean County	47.37% 9
TOTAL	19

8) Please rate the workshop you attended in SESSION 2: (The graph reflects the rating for all workshops in Session 2)

Answered: 20 Skipped: 8



	POOR = 1	FAIR = 2	GOOD = 3	VERY GOOD = 4	EXCELLENT = 5	TOTAL	WEIGHTED AVERAGE
Overall rating for this workshop	0.00% 0	5.00% 1	5.00% 1	35.00% 7	55.00% 11	20	4.40
I learned ways to incorporate this topic into my existing curriculum	0.00% 0	10.53% 2	15.79% 3	26.32% 5	47.37% 9	19	4.11
The instructor was well prepared, engaging and knowledgeable	0.00% 0	0.00% 0	15.00% 3	20.00% 4	65.00% 13	20	4.50
The instructor provided appropriate hand outs, materials and resources that support my lessons and/or instructional activities	0.00% 0	5.00% 1	15.00% 3	25.00% 5	55.00% 11	20	4.30

Comments (Session 2):

Biodiversity, Living Shorelines and Water Quality

- Unorganized but I loved the presenters they were so interesting

The Water Cycle and Climate Change

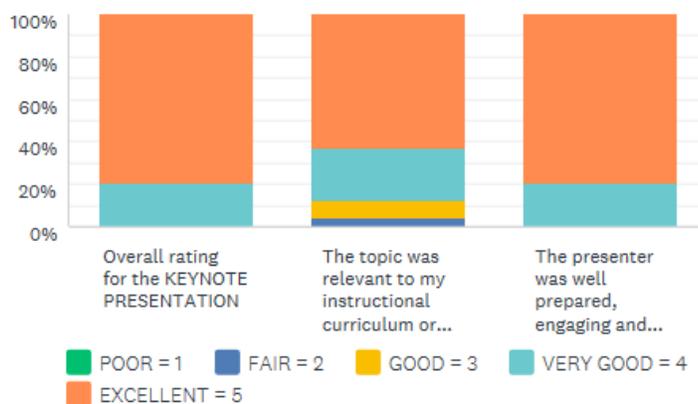
- Loved the hands-on creativity
- Dr. Yergeau was excellent and entertaining as usual. He presented everything in a manner that was understood and provided materials that can be incorporated into lesson plans as well as where one can purchase the materials on a budget.
- It was great information!
- Super

Connecting Students with Climate Change

- There was not much new presented here and the presenter made some content mistakes in her presentation (e.g. effect of phytoplankton blooms in ecosystems)

9) Please rate the Keynote Presentation:

Answered: 25 Skipped: 3



	POOR = 1	FAIR = 2	GOOD = 3	VERY GOOD = 4	EXCELLENT = 5	TOTAL	WEIGHTED AVERAGE
Overall rating for the KEYNOTE PRESENTATION	0.00% 0	0.00% 0	0.00% 0	20.83% 5	79.17% 19	24	4.79
The topic was relevant to my instructional curriculum or teaching field	0.00% 0	4.17% 1	8.33% 2	25.00% 6	62.50% 15	24	4.46
The presenter was well prepared, engaging and knowledgeable	0.00% 0	0.00% 0	0.00% 0	20.83% 5	79.17% 19	24	4.79

Comments (Keynote):

- Well spoken, very informative, made many excellent points without being preachy
- Did not stay
- Very informative, used some of the information already in my class
- Excellent speaker!!
- Ms. Auermuller was able to provide a clear understanding in trying to achieve resiliency along the shore and the obstacles one faces in dealing with various government agencies on the local, up to the federal.

- Awesome and I want to meet the keynote speaker because I want to be the communication bridge for people just like she is.
- I have learned new information to share about being more proactive and less reactive
- Good show
- Such a great talk. Lisa was so engaging and the slides from her presentation were fascinating
- Outstanding presentation; relevant to everyone
- Would be interested to hear more about engaging municipalities to better understand environmental impact of their approvals

10) Please provide suggestions for future Roundtable themes, workshops, activities or field trips, and any additional feedback regarding your experience at OCSCD's 2019 Barnegat Bay Environmental Educators Roundtable:

- I really enjoyed the field trip. I think it should always be an option. *(Respondent attended the "Field Trip to Cedar Bonnet Island".)*
- I don't have suggestions for future Roundtables, but I will join future Roundtables. This is clearly a group that has their finger on the pulse of the environment, and I look forward to the information this brings to me, and thus back to my classroom. *(Respondent attended the Field Trip to Cedar Bonnet Island.)*
- More about animals, such as macroinvertebrates, fish, crustacea, birds, zoo and phytoplankton. These topics can help get students more interested in the topics. Then we can transfer this to the ecological principles. *(Respondent attended the "Field Trip to Cedar Bonnet Island".)*
- This year was outstanding! Keep improving and providing relevant topics for our area. Thank you! *(Respondent attended the Field Trip to Cedar Bonnet Island.)*
- Everything was great for my first time. *(Respondent attended the "Paddle for the Edge" and "Water Cycle and Climate Change" workshops.)*
- I had a fantastic experience! Looking forward to future years to come. *(Respondent attended the "Paddle for the Edge" and "Water Cycle and Climate Change" workshops.)*
- Next Generation Science Standards aligned strategies that are useable in the classroom *(Respondent attended the "Paddle for the Edge" and "Connecting Students with Climate Change" workshops.)*
- Keep up the great work. *(Respondent attended the "Paddle for the Edge" and "Connecting Students with Climate Change" workshops.)*
- Climate change *(Respondent attended "The Effects of Climate Change on Piping Plover" and "Biodiversity, Living Shorelines and Water Quality" workshops.)*
- It would be great is all the presenters, with the exception of the keynote speaker, align their talks toward educators needs in the classroom with providing reference and materials that can be used in creating interactive lessons with students. *(Respondent attended the "Effects of Climate Change on Piping Plover" and "Water Cycle and Climate Change" workshops.)*
- What can be done to regulate any negative activity in Barnegat to insure the future with a healthy bay? *(Respondent attended the "System-Wide Monitoring Program" and "Water Cycle and Climate Change" workshops.)*
- I was surprised to learn this event was ongoing for SO many years. The only way I ever knew about this event was via the Master Naturalist class I took. It now seems all events are largely the same cast of people. I keep pondering how to expand outreach... which is why I share many of my experiences on social media. But, I think there needs to be more to reach people like myself who want to do more... but struggled to even know where to begin. Now that I'm in the email lists and groups.... I see much more. It's getting there. To this end, would love to see more about engaging "citizen scientists" more...drone use to help supply environmental data, etc. There is a lot of opportunity for faster access and more data points now as compared to former methodologies. *(Respondent attended the "System-Wide Monitoring Program" and "Biodiversity, Living Shorelines and Water Quality" workshops.)*

Planning Ahead for our 23rd Annual Barnegat Bay Environmental Educators Roundtable in 2020

1. OCSCD's 2020 Tentative Theme: "Natural Resources for the Next Generation - Full STEAM Ahead!"

Workshops address "STEM/STEAM" related topics and presenters model lessons that teachers can implement in their classroom or with the community.

"STEAM is an educational approach to learning that uses "Science, Technology, Engineering, the Arts and Mathematics as access points for guiding student inquiry, dialogue, and critical thinking. The end results are students who take thoughtful risks, engage in experiential learning, persist in problem-solving, embrace collaboration and work through the creative process. These are the innovators, educators, leaders and learner of the 21st century!"

2. Distribute a request for proposals for workshops and mandate specific requirements including: goal, objective, Next Generation Science Standards, and STEAM related activities.

3. Align ALL workshops with STEAM topics and Next Generation Standards for the 21st Century.

4. Contact Jennifer Modula atjmodula@millstone.k12.nj.us "Protecting our Perishing Pollinators" school group, teacher

5. Invite Will Pirl Memorial Middle School in Point Pleasant, to demonstrate one of his lessons that addresses Barnegat Bay issues. (Clam versus mussel)

6. Find other teachers who would be willing to present.

7. Invite a seasoned Naturalist (also a "teacher") who would be willing to "demonstrate" a walk or outdoor engagement for informal educators.

8. Invite Master Gardeners to exhibit – have them offer a program – maybe the IPM crew.

9. Invite Karen Walzer to offer a program about JFY and perhaps by this time showcase the new curriculum created for teachers.

10. Invite all Mayors, etc, invite them early and encourage a commitment.

11. Advertise early – send out a "save the date" before the end of this school year. Open registration in December 2019.

12. Connect with more schools to advertise the event