



Rebecca Kenyon-Sisler <rebecca.kenyon@garrettcountyschools.org>

Water Tests

4 messages

Rebecca Kenyon-Sisler <rebecca.kenyon@garrettcountyschools.org>
To: wendy.craver@garrettcountyschools.org

Tue, Sep 10, 2019 at 9:07 AM

Hi Wendy!

Jason forwarded your email about the water testing supplies to me since he is out on leave. I currently have the "old fashioned" kit for nitrate (along with dissolved oxygen, pH, temperature, turbidity, and phosphate). With Jason being out, I don't think we will be able to get the supplies to do the nitrate test using the Pasco sensors by next Thursday. We can work on that for future visits though. I don't know of any nitrite tests that are kid friendly. If that is something that you really want to do, we can look into that more as well.

I created a new data sheet for students to complete while at the river. I have attached it for you to look over and provide feedback. With such large groups, we may not be able to get it all done, but we'll see what we can do. I know we won't be able to get to the conclusion while at the river, but I thought it may be a good followup back at Hickory or at your school. I'm not sure if you introduce your students to CER. It's something we were really focusing on at the high school last year. I'm still figuring out what students at different grades can handle, so I would appreciate any thoughts you have.

Thanks!

Rebecca Kenyon-Sisler

Environmental Science Instructor

Hickory Environmental Education Center

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 **River Observation Data Sheet_Grade5.docx**
230K

Wendy Craver <wendy.craver@garrettcountyschools.org>
To: Rebecca Kenyon-Sisler <rebecca.kenyon@garrettcountyschools.org>

Wed, Sep 11, 2019 at 6:56 PM

Hey Rebecca!

I shared your thoughts from your email with my team and we are fine with not completing the nitrites/nitrates tests for our upcoming visit. We are pleased with your data sheets and will definitely complete the conclusion back at school. We do teach CER, but haven't gotten to it yet this year. This will be a great way to introduce CER to our students using the Hickory data!

In the past, the trip to the river was not as structured as we would like it to be. We are using this trip as a way to learn how to administer the water quality tests. While at the river, we would like the kids to be in groups so that each group will be learning and administering one of the tests (pH, temperature, DO, turbidity) either the "old school" way or the more modern way. AFTER the tests are administered, then students could forage through the river looking for macroinvertebrates. Many times students missed the jest of our lesson because they were basically looking for macroinvertebrates and only a few kids would gather some data. Students will be using these same tests for our MWEE at Broadford Park to gather data, so it is really important for them to learn the process.

Thanks so much for all of your help and we are excited for this trip!

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Rebecca Kenyon-Sisler <rebecca.kenyon@garrettcountyschools.org>
To: Wendy Craver <wendy.craver@garrettcountyschools.org>

Thu, Sep 12, 2019 at 8:31 AM

It sounds like we are on the same page! I created a schedule for our time at the river. We will first complete the initial stream observations together as a large group, then students will work in small groups to do the water quality tests. We will save macroinvertebrates for the end. I'm glad to hear that each group doesn't need to complete every water test, as I don't think we will have time for that.

I have the kits and all supplies for every water test. If you want students to also use the Pasco sensors, you will need to bring all of the supplies for that from your school.

Please let me know if you think of anything else between now and Thursday!

Rebecca Kenyon-Sisler

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Wendy Craver <wendy.craver@garrettcountyschools.org>
To: Rebecca Kenyon-Sisler <rebecca.kenyon@garrettcountyschools.org>

Tue, Sep 17, 2019 at 8:14 PM

I will bring copies of the packet for our water filter activity. We made our own to go with our MWEE. I know Sharon usually made copies of the water filter packet used at Hickory and I just wanted to let you know so she didn't make the copies. See you on Thursday!

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