



**Chesapeake Section of the
American Association of Physics Teachers
Spring 2021 Virtual Meeting**

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Type: **Demo**

Using iOLab for physics lab

Saturday, April 17, 2021 9:00 AM (20 minutes)

During the last summer, as it became apparent that DCC would be going virtual for all science classes due to the pandemic, I looked for solutions where students can get some hands-on experience in performing physics lab experiments and data analysis which are meaningful, easy to perform and does not require students to look for many different items. Having attended a talk on iOLab during one of the AAPT Summer meetings a few years ago, I ordered the iOLab device during the summer from Macmillan. After playing with it for 2-3 weeks, I felt it could be a good device for students since it can perform a number of experiments in mechanics, electricity and magnetism. I have used the device for both algebra-based and calculus-based physics classes. In this talk I will demonstrate the basic features of iOLab and share student experiences with the device.

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