



How Can We Use Technology to Monitor Aquatic Ecosystems?

Unit Driving Question: How do phytoplankton affect aquatic ecosystems, and how can we use technology to monitor them?

- Using their research of harmful algal blooms (HABs) in a specific region, students make proposals to minimize human impact or mitigate harmful effects. Students describe the evidence and scientific reasoning that supports the claim that human activity contributes to HABs.

Access teacher resources including the Teacher's Guide, Student Guide, and all digital resources using this link. This link will be active until June 15, 2020. **When using the links below, do not create a teacher or student account on Carolina Science Online.**

Access link: <https://carolinascienceonline.com/demo/link/aquatic>

Each of the links below will give **students access** to the resources they need. No login is required.

Resource

Access link

Student Guide

<https://carolinascienceonline.com/#/resource/5c3748697d7f80588203aa18/preview>

Video Resource:

Observing Plankton and Waves

https://carolinascienceonline.com/#/resource/stcms_mae_inv1/preview

Interactive Resource:

Pacific Ocean Ecosystem

https://carolinascienceonline.com/#/resource/stcms_mae_inv2/preview

Slideshow: Harmful Algal Blooms

https://carolinascienceonline.com/#/resource/stcms_mae_inv3/preview

Video Resource: Light Interactions

https://carolinascienceonline.com/#/resource/stcms_mae_inv4/preview

Slideshow: Pigment Interactions

https://carolinascienceonline.com/#/resource/stcms_mae_inv5/preview

Video Resource: Monitoring Lake Erie

https://carolinascienceonline.com/#/resource/stcms_mae_inv6/preview

Video Resource:

Monitoring Aquatic Ecosystems

https://carolinascienceonline.com/#/resource/stcms_mae_inv7/preview

Spanish Blackline Master Packet

https://carolinascienceonline.com/#/resource/STCMS_MAE_BLM_SPANISH/preview

Spanish Student Guide

https://carolinascienceonline.com/#/resource/STCMS_MAE_SG_Spanish/preview