# Brief Description: This lesson is a series of videos to provide your students with a background in air quality, and some issues like ozone, that are more specific issues to North Carolina. The videos also review individual behaviors that impact air quality, and finally regulations that have been put into place to explain how air pollution emissions are and have been regulated. The activity includes reading of graphs and analyzing the reduction of emissions since the implementation of The Clean Air Act.

***Air Quality*Distance Learning – High School Activity**

Air Quality: An Introduction, Review and Analysis of Pollutants

**Specific Instructions:** *Educators, please note: you may use these links as free-standing individual pieces or as a series of activities as a lesson that moves through review to application and implementation of air pollution regulation.*

1. Scientific Literacy and Air Quality:

- [Video review](https://vimeo.com/158523998) (13 minutes)

2. Introduction to Solutions and Home Energy Choices:

- [Video review](https://vimeo.com/189999620) (11 minutes)

3. Clean Air Act and NC Clean Smokestacks Act

* [Video review](https://vimeo.com/187242629) (11 minutes)
* Activity: Reviewing Trends in Air Quality since Clean Air Act with graphs, analysis and concluding questions (see student pages)

**Standards Correlation:** NC Essential Standards
EEn.2.5.5 Explain how human activities affect air quality
EEn.2.7.3 Explain how human activities impact the biosphere
EEn.2.8 Evaluate human behaviors in terms of how likely they are to ensure the ability to live sustainability on Earth

HS.SI.1.1 Evaluate resources for reliability. (Reliability can be determined by currency, credibility, authority, etc. depending on the curriculum topic).

**For More Information:** If you would like to view our curriculum in its entirety and utilize the rest of the videos, teacher tutorial videos and activities you can find that resource here: <http://itsourair.org/>

We’d love to hear from you! Give us feedback [here](https://forms.office.com/Pages/ResponsePage.aspx?id=3IF2etC5mkSFw-zCbNftGeRWa4Q1AflMpi39Z4cQtn9UNDkyRTRLRjVGNVU3V0RMVDNPSUFSODc4Ry4u) so we can better serve you and your students.