

## Developing STEM lesson plans integrating Common Core standards in conjunction with the 2017 total solar eclipse

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Charles first became interested with solar eclipses in March 1970, when the NY area was immersed in a 96% partial eclipse, but didn't get to see his first TSE until "The Big One" at Tuxpan, Mexico, in 1991. Since then, he's seen three more on three other continents, most recently the 2010 TSE over Patagonia.

Observing the 1994 eclipse with passengers onboard a cruise ship led (somehow) directly into both a teaching career and a love of introducing the public to the sky via the planetarium, local NY media and outdoor sky shows.

During the 2014-15 school year, he will be on sabbatical to visit districts around the country to explore ways to best integrate authentic and experiential (*read: get the class outdoors!*) science teaching within common core standards, with an emphasis on generating interest and excitement in both teachers and students, all the while raising awareness of the 2017 TSE (FB: [Totality2017](#)) as an instructional focal point.