

Time, Tides, and Temps Are Waiting for All Students
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This article illustrates a variety of real-world situations that can be modeled by sinusoidal functions based on actual data. The applications include the number of hours of daylight on any day of the year in any location, the heights of the tides at any coastal location over the course of several days, and the historic average high and low temperatures over the course of a year in any location.



Sheldon Gordon is a SUNY Distinguished Teaching Professor of Mathematics at Farmingdale State College. He has served on a number of national committees involved in undergraduate mathematics education with special emphasis on efforts to rethink calculus and courses below calculus. He is a co-author of Functions, Data and Models: An Applied Approach to College Algebra; Functioning in the Real World; and Contemporary Statistics: A Computer Approach. He is also an original coauthor of the texts developed under the Calculus Consortium based at Harvard.