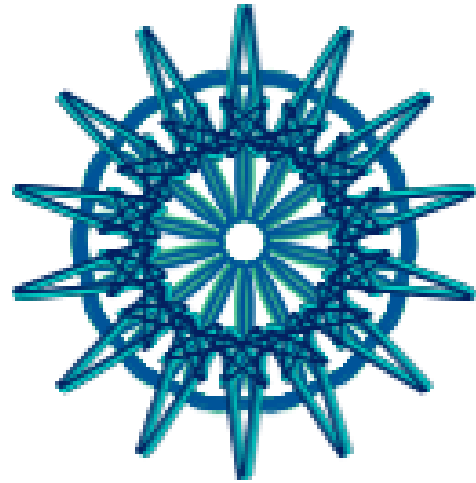


INTERDISCIPLINARY STEM SEMINAR SERIES

(Science Technology Engineering Mathematics)



Mathematics of the Spirograph

Monday, October 10th, Reuter Center, Room 206
4:30 PM to 6:00 PM

Speaker: David Bates, OLLI

Most people are familiar with the Spirograph, which uses plastic gears to draw interesting geometric designs. With a little mathematics, we can analyze these gears and express their motion in terms of mathematical equations, and then use these equations with a graphical software program to create Spirograph designs on the computer screen. Even if you've forgotten all of your high school trigonometry, you'll still be dazzled by the pretty pictures.