

1096-E1-398

**Christopher Oehrlein\*** (coehrlein@occc.edu), Oklahoma City, OK. *Making Yourself the Lead Vocalist among many Secondary Sources in Flipped and Blended Differential Equations Courses.*

A first course in Differential Equations may take on many personalities. It can be focused anywhere on a scale from purely procedure-based to extremely concept-based. It can include many different types of equations or focus on very few. It may include systems, Laplace transforms, nonlinear equations and series solutions. Assessment could focus on the content of problem solutions or the end answers. How the instructor designs around these issues should also guide the students in their preparation for class, understanding of the material, studying for exams, and presentation of work. In the current climate of using packaged resources and other peoples' online notes and videos in flipped and blended courses, the students' primary source – their instructor – too often gets ignored and takes on the role of Navigator (with some assessment authority). Instructors can easily create supplemental resources that show and tell students how they want content understood and work presented. Students who see their own instructor's handwriting and hear their own instructor's voice feel a more personal connection to the material and ultimately to the course. Knowing that their instructor invested time and energy goes a long way in convincing the students to invest more in the course themselves. (Received September 01, 2013)