Chapter 16 Technology Application Projects

**Mathematica/Maple Module**
*Work in Conservative and Nonconservative Force Fields*
Explore integration over vector fields and experiment with conservative and nonconservative force functions along different paths in the field.

**Mathematica/Maple Module**
*How Can You Visualize Green's Theorem?*
Explore integration over vector fields and use parametrizations to compute line integrals. Both forms of Green's Theorem are explored.

**Mathematica/Maple Module**
*Visualizing and Interpreting the Divergence Theorem*
Verify the Divergence Theorem by formulating and evaluating certain divergence and surface integrals.