

***Math Is Everywhere! Explore and Discover It! (Second Edition) – James. J. Rutledge, c.2006, Pearson Custom Publishing, ISBN 0-536-21679-7***

## Features and Accomplishments

***Math Is Everywhere! Explore and Discover It!* is designed around the following seven goals:**

- to engage students in active learning through the use of projects and activities
- to demonstrate the beauty, practicality and pervasiveness of math in our daily lives
- to lead students into a new and refreshing relationship with mathematics
- to alleviate math anxiety
- to empower students to build confidence in their analytical reasoning skills
- to promote technological skills
- to encourage students to become lifelong learners of mathematics

***Math Is Everywhere!* includes the following features:**

### Features:

- employs a project-based teaching/learning approach with a strong emphasis on active learning
- makes extensive use of Web-based resources in conjunction with the text (MERLOT)
- includes over 60 projects including interactive, hands-on, guided discovery, Internet research and report writing, and self-directed learning
- lends itself naturally to student collaboration in both on-campus and online course environments
- contains relevant and interesting content—content that students can relate to their everyday lives and content that will be of practical use in their future lives
- uses a personal writing style—direct, enthusiastic and encouraging
- requires students to perform at all levels of Bloom’s taxonomy
- embodies AMATYC Crossroads Principles and Standards for Mathematics
- promotes quantitative literacy throughout the text

***Math Is Everywhere!* has demonstrated the following accomplishments during its six-year development period:**

### Accomplishments:

- thoroughly and actively engages students in their learning processes
- makes students more interested and eager to learn mathematics
- improves students’ analytical reasoning skills
- brings about improved student attitudes toward math
- greatly reduces student math anxiety through the absence of formal tests and exams
- increases student retention and success

*More information available at:*

<http://www.pearsoncustom.com/best/0536216797.html#>

<http://www.spcollege.edu/spg/math/rutledge>