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Ann Brett* (ann.brett@jwu.edu), Providence, RI 02903. *Creative Teaching Methods Used in the Integrative Learning Course "Explorations in Symmetry"*. Preliminary report.

The Integrative Learning Course course "Explorations in Symmetry" introduces the student to the basic concept of symmetry and its important role as a unifying agent in the understanding of mathematics, nature, art, architecture and music. Topics covered in the course include an introduction to group theory, the mathematical language of symmetry, transformations, general symmetry principles, and applications. In this talk, we discuss some strategies used to teach the highly mathematical concepts of symmetry to general education students, and some successes students in the class have had applying the course content to their own careers and interests. (Received September 14, 2020)