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Investigating Strategies when designing Geometry in Art as an Online Course, student's attitudes, and achievement. Preliminary report.

Geometry in Art course includes symmetry and tiling, solids and golden ratio, perspective, surfaces and motion, etc. In each part of the course underlying mathematical principles relating to different aspects of art and architecture are explored. Different strategies need to be considered carefully when developing this course online. Technologies need to be considered to ensure that the course is as effective online as it would be in a face-to-face or hybrid format. Issues and strategies need to be considered concerning how students and instructors interact with these technologies and how they influence teaching and learning. Such strategies include helping students visualize concepts such as symmetry or perspective, how projects will be administered which include individual and group projects, getting permission to utilize chapters in different textbooks, being creative concerning field trips, and getting permission to view movies at no cost to students. It is equally important to make sure you are not using technology just for the sake of using it. It is important to build confidence in the learner's use of the technology which can engage students and improve their learning. (Received September 13, 2013)