

1086-VE-33

**Daniel Huber, Leslie Jones\*** (lbjones@ut.edu) and **Rebecca Waggett**. *The Geometric Analysis of Shark Teeth*. Preliminary report.

We present integrated curriculum ideas developed for teacher-training workshops for high school geometry teachers. We emphasize the importance of building inviting, relevant context for mathematical content. Our backdrop is the ocean, where geometry determines the feeding behavior and choice of prey for marine animals. The main characters in our talk are a couple of hungry sharks. The solution to each question posed makes use of a mathematical model. (Received June 05, 2012)