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Jeffrey W. Clark* (clarkj@elon.edu). *Teaching Combinatorics to Diverse Student Interests.*

Students taking Combinatorics often come from a mix of pure and applied backgrounds. This talk will address strategies for developing pedagogies and assessments that engage such a heterogeneous student demand, synthesizing the stories approach of Benjamin and Quinn, the computer science foundation of Graham, Knuth, and Patashnik, as well as the use of calculus techniques with generating functions popularized by Wilf. (Received September 11, 2016)