

1125-I5-2151

**Diana S Cheng\*** (dcheng@towson.edu) and **Kyle P Hurley** (khurle6@students.towson.edu).

*Physics and Mathematics within Pairs Figure Skating Jumps.* Preliminary report.

In the winter Olympic sport of figure skating, jumps are a required element for pairs skaters. We report on a secondary mathematics and physics activity based on kinematics and situated in the context of pairs side-by-side jumps. The activity was designed to address Common Core State Standards in Interpreting Functions and Next Generation Science Standards in Forces & Interactions. (Received September 19, 2016)