

1145-C5-2718 **Miriam Harris-Botzum*** (mharrisbotzum@lccc.edu), 4525 Education Park Drive, Science Hall, Office 7D, Schnecksville, PA 18078. *Using Games and Puzzles to Teach Discrete Mathematics.*

In this session, I present some classroom tested activities and lesson ideas for an introductory Discrete Mathematics course. In my Discrete Mathematics class, I use games and puzzles, such as the Tower of Hanoi, Set Game(R), Frogs and Toads, Chinese Rings, and many more, to teach many concepts. I weave them throughout my course, starting with simple concepts like set unions and intersections, and building up to advanced counting techniques. Using these games, students learn how to form conjectures, test those conjectures, and eventually prove or disprove them. (Received September 25, 2018)