

1135-VS-2549 **Amanda Beecher*** (abeecher@ramapo.edu). *Number Theory Math Fair*.

Number Theory is an excellent source of fun topics that can expose many with limited background to see the beauty of mathematics, including children. In my 200-level Number Theory course, students were required to create a short hands-on learning activity appropriate for young children (elementary or middle school age) to learn about a number theory topic. We hosted a Math Fair on campus to share these activities with young people and the College community. This talk will discuss the logistics of hosting a Math Fair, the benefits to the students and young participants, and the multifaceted assignments that supported this activity in a 200-level course. (Received September 26, 2017)