

Marble Nuclei in the Classroom

JINA scientists taught nuclear astro-physics via marble nuclei activities at 3 schools this Spring. All lessons began with an interactive lecture, followed by Isotope Bingo, and either fragmentations activities or an activity in which students discover the paths for the s and r processes.

7th and 8th graders smashed model nuclei in their Science Exploratory classes at Gwinn Middle School. Gwinn is a rural town, with a population of less than 2000, in the upper peninsula of Michigan.



5th graders at Good Sheppard Montessori School in South Bend, IN learned about stellar nucleosynthesis through an Art 2 Science project in which they modeled the creation of different elements by stellar fusion. Their unit included a guest JINA lecture and marble nuclei activities.

Thank you so much for your presentation for our sixth grade students. We are working on raising our school's science scores on the ISTEP. I was so proud that three of my students were correct on the BINGO game. It was inspiring to hear your personal story and show them if they are curious and keep trying, they can become successful.



JINA visited LaVille Elementary in Lakeville, IN to speak with all 6th graders (approx 100) in an assembly setting. Just south of South Bend, Lakeville has a population of about 800, and many student at the school live in other nearby towns.