

Art 2 Science

Art 2 Science Camp is a summer science program for students between the ages 8 and 17 years old, where students over 13 serve as junior counselors. The camp is based on JINA's Art 2 Science program, which introduces children to the wonders of the physical universe. This camp utilizes a multidisciplinary approach to learning, incorporating reading, writing, music, art with math, science, and engineering.

Camp participants learn about math, physics, astronomy, chemistry, and even biology through hands-on activities, experiments, and art forms such as painting, acting, dancing, drawing, etc. Each year the camp has 24 different activities that students rotate through.

It is a large enrollment camp with roughly 50 participants, 20 teens and 15 adults in addition to all of the activity leaders. Parents pay a sliding scale fee based on their school lunch fee. Free school lunch equals free camp. There are also free camp spots provided as science fair awards as well as raffle prizes for events. There is a waiting list to attend each year.

Activity leaders were originally mostly physics graduate students, but other departments and community organizations have joined the camp as it evolves. Activities have been led by: members of UND Physics, Chemistry, Biology, Math, and Engineering departments, Snite Art Museum, DeBartolo Performing Arts Center, St. Joseph County Parks, City of South Bend, and local K-12 teachers.

In 2015, we piloted a spin-off camp, Science 2 Theater, with dance as the primary art form. Participants learned about the science of theater (lights, sound, etc) as well as rehearsed and performed a dance about a science topic. Dr. Jatila van der Veen of UC Santa Barbara and the NASA Planck Mission choreographed a performance about string theory and led much of the camp. The camp was highly successful in attracting female students and was praised by everyone who took part. Unfortunately, pre and post survey assessment showed the camp fell short of changing students' attitudes towards science and was discontinued after the

