

Field Trips to NSL at ND - 2013

JINA provided travel support to two schools for field trips to the University of Notre Dame during the Spring. The field trip included a tour of the Nuclear Science Laboratory, an astronomy presentation in the DVT, and a hands-on activity. This program is part of a concerted effort to increase interest in STEM careers among students in underrepresented groups.



Within the student body at Washington High School, approximately 75% receive assistance with school lunches and more than 70% are Hispanic, African American, or multiracial. Although the graduate rate is nearly 90%, less than 40% pass the ISTEP. This year, 65 students participated in the 3rd annual JINA field trip for WHS. The last activity of the day was the first ever Physics vs Chemistry “Demo-off” in which JINA competed against the Chem Demo Team. The students voted by applause at the end, and while it was close, Chemistry edged out the win. Videos of two of the physics demos are on [YouTube](#).

Built on the success of the WHS field trip, a chaperon recommended the trip to Jackson Intermediate School for their 8th grade classes. Of these 135 students, approximately 50% are Hispanic, African American, or multiracial, 70% receive lunch assistance, and 25% are in Special Education courses. In addition to the NSL tour and DVT presentation, the students made oobleck with the Chem Demo team and discussed career options with scientists.

Unlike the usual classroom atmosphere, our time spent at Notre Dame was extremely hands-on, giving a completely new perspective to the more interesting and fun aspects of physics and chemistry.



I wish to be a physicist for my career, and seeing [the particle accelerator] in person did nothing but enhance my good feelings and dreams of science.

I would recommend going to Notre Dame to be with the JINA program to anyone. Thank you for the opportunity.

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www.jinaweb.org/outreach/trip.html