

Abstract Submitted
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Nuclear Forensics for High School Science¹ CATHERINE MADER, Hope College, HEIDE DOSS, MONICA PLISCH, American Physical Society, DREW ISOLA, Allegan High School, KATHY MIRAKOVITZ, Portage Northern High School — We developed an education module on nuclear forensics, designed for high school science classrooms. The lessons include a mix of hands-on activities, computer simulations, and written exercises. Students are presented with realistic scenarios designed to develop their knowledge of nuclear science and its application to nuclear forensics. A two-day teacher workshop offered at Hope College attracted 20 teachers. They were loaned kits to implement activities with their students, and each teacher spent 3-7 days on the lessons. All who reported back said they would do it again and would share the lessons with colleagues. Many said that access to equipment and ready-made lessons enabled them to expand what they taught about nuclear science and introduce nuclear forensics. A few teachers invited guest speakers to their classroom, which provided an excellent opportunity to share career information with students.

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