Two NYU undergraduate students, MRSEC education fellows, have focused on projects to support K-12 education.

The fellows designed and implemented a module on viruses in collaboration with the Urban Assembly Institute of Math and Science for Young Women.

They created physical 3D printed models of various viruses as a tool to understand their organization and how they operate. The lesson with the models was followed by an in-class quiz to test their understanding of viruses as part of their curriculum. As a control, one class was provided a similar lesson on viruses without the 3D models and subjected to the same quiz. The fellows worked with a total of 80 female and underrepresented minority 9th-10th grade students.

(Top) 3D printed model of various viruses. (Bottom) A group from Urban Assembly Institute of Math and Science for Young Women learning about various viruses using 3D printed models.