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A Curious Display: a case study on genetically modified organisms provided written English and American Sign Language

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Module Description:

This resource consists of materials for implementing a case study on genetically modified organisms. The case is provided in written English and American Sign Language. The Case Analysis Sheet, which is included in this resource, can be used as a scaffold for students when they begin a new case study. This sheet will help students generate questions and reflect on what they already know about the topics in a case, as well as identify types of resources to use as they learn more about GMO's.

Teaching Setting:

This case study, which is appropriate for high school and undergraduate biology courses, was designed using Universal Design for Learning (UDL) principles and is therefore suitable for a variety of classroom settings, including but not limited to, classrooms with deaf/hard-of-hearing students.

Citation:

Waterman, M., Brandon Call, Connelly, S., Jenkins, K., Johnston, S. C., Karpakakunjaram, V., Le, V., Orndorf, H., Skyer, M., Spiecker, B. (2019). [Curious Display. Opening the Pathway to Technician Careers: A Conference for Biology Teachers of Deaf Students](#), QUBES Educational Resources. [doi:10.25334/979W-CY69](https://doi.org/10.25334/979W-CY69)

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Related Materials and Opportunities:



This week's featured resource was introduced to participants during [Open the Pathway to Technician Careers: A Conference for Biology Teachers of Students](#), a professional development experience for high school teachers, community college faculty, and interpreters involved in teaching life science to deaf/hard-of-hearing students. The overarching goal of this conference, which was organized by [DeafTEC™](#) and [BioQUEST](#), was to increase participation of deaf/hard-of-hearing students in technical fields such as agricultural technology, biotechnology, and environmental sciences, where they are currently underrepresented. Browse the [collections area](#) of the conference website for numerous resources shared during the conference, including [Universal Design Learning resources](#) and [resources for biology teachers in ASL and in deaf/hard-of-hearing classrooms](#).



Conference attendees experienced a performance by [Sunshine 2.0](#), a professional traveling theater troupe based at Rochester Institute of Technology's National Technical Institute for the Deaf in Rochester, New York. The troupe travels to schools and a variety of venues to provide performances highlighting topics in Science, Technology, Engineering, Arts and Math (STEM) and educational topics pertaining to the Deaf experience. Their engaging stories provide valuable insights into the human condition and demonstrate how hearing and deaf people can interact and engage with one another. [Learn more about Sunshine 2.0.](#)

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If you adopt and adapt this module, you are highly encouraged to share your adaptation back with the QUBES community using the QUBES Resources System for sharing Open Education Resources.



QUBES is a community of math and biology educators who share resources and methods for preparing students to use quantitative approaches to tackle real, complex, biological problems.

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