

21st Century Instructional Initiative Grant Recipients 2018-2019

Off To The Lab: An Authentic Look into Gel Electrophoresis

Deep Creek Middle School

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STEM Focus

PATIENT DESCRIPTION (1904)

Think-Pair-Share

- How would you approach researching the mystery patient's disease?
- Are the patient's various symptoms related to one another? If so, how? If not, explain why.
- What types of evidence would you like to help you diagnose the patient?

TOWSON UNIVERSITY
Center for STEM Excellence



Students examined a fictitious patient medical history to determine the mystery disease. Students were in the lab performing gel electrophoresis to determine if their patient had sickle cell disease or was a carrier.

- Real world application of science
- Synthesizing information to draw a conclusion
- Increased collaboration & communication
- Point #5

