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Curriculum Units by Fellows of the National Initiative
2024 Volume V: Evolutionary Medicine

Evolution

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The idea of my unit is to remodel and advance the traditional style of the evolution unit in most high school classrooms. I have issues with my students being engaged in material that initially do not have any connections to themselves. Additionally, I wanted to make the overall unit interesting to myself where I can use my experience and knowledge on microbiology. Using a case study involving antibiotic resistant bacteria as my anchoring phenomena, I have designed a unit to involve evolution context in the biomedical field. My purpose is making sure that my students understand and learn what could potentially be a problem for them in the future, and start talking about possible solutions to solve it. Starting the unit with the basics of evolution, while presenting the case study in parts, teaching note taking and research strategies for the 5 weeks of the unit, the unit should get my students more engaged with the topic of evolution with a personal relevance. Thus having them learn about evolutionary medicine.

(Developed for Biology, grades 9-12; recommended for Biology, grades 9-12)

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