

# Natural Selection

Next Generation Science Standards

Nov. 16, 2018

Day 4/52



**At the end of today's lesson you will;**

- Design a malaria treatment that minimizes drug-resistant malaria.

**Classwork-**

- Finish up Natural Selection Engineering Internship Day 3
- As interns continue in the Research phase, they focus more on how drug resistance occurs in parasite populations and how the choices biomedical engineers make for drugs used in malaria treatments affect the overall distribution of traits for drug resistance in these populations. Interns re-watch the Natural Selection in Malaria animation segment and read more about drug resistance. They return to the MalariaMed Design Tool in order to investigate the effect of using one drug on long-term drug resistance, and then discuss the pros and cons of each drug type.
- Read and annotate Chapter 5 Article "Designing Antimalarial Drugs" from DAY 4..

**Homework-**

- Complete today's "After Hours" work.