BEDGERTON

Biotechnology Pack

Additional curriculum for the DNA/RNA Set*



About the models

Our models are designed to teach molecular processes, as well as structure. This Biotechnonology Pack extends the use of the DNA/RNA Sets. Now learners can also simulate biotechnology procedures in the lab with the models.

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About the curriculum

Booklet 3 Activities:

- Identify the 3' and 5' DNA ends
- Practice restriction enzyme digestions
- Model gel electrophoresis
- Use DNA fingerprinting to compare sequences
- Perform PCR cycles
- Demonstrate Sanger sequencing with dideoxynucleotides
- Simulate the CRISPR-Cas9 System

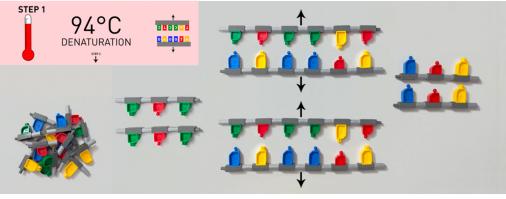
Classroom Set: \$400

14 DNA/RNA Booklet 3

- 14 Phage DNA Strips
- 14 Gel Electrophoresis Mats
- 14 Cas9 Protein Mats

NOTE: DNA/RNA Set must be purchased separately!*

Price includes shipping to continental U.S. only. Shipping to additional destinations will require additional costs.



Massachusetts

Institute of

Technology

*DNA/RNA Classroom Set: \$1200 See website for additional information



Find additional resources online: <u>http://edgerton.mit.edu/DNA-proteins-sets</u>

Curriculum questions: <u>kathymv@mit.edu</u>

Purchasing questions/Ordering: edgerton-k12-info@mit.edu