

## Biology Milestone USA TestPrep

This activity is designed to help you prepare for our Biology Milestone using the USATestPrep website.

There are two parts of this project: USA Test Prep domain review and Face to Face review sessions.

USATestPrep is designed for you to practice questions, have specific review on missed questions and retesting until mastery occurs. The before school and after school review sessions will be held in Coach Green, Mr. Johnson, Mrs. Rhymer and Mrs. Miller's room on specified dates and times.

There are 5 main domains of content found on the biology milestone:

- Cells
- Cellular Genetics and Heredity
- Classification and Phylogeny
- Ecology
- Theory of Evolution

For this assignment, you are required to do each of the following:

1. Complete the in class biology post-test, which will count as a test grade. (This will be given closer to the milestone date)
2. Complete the diagnostic test in USA Test Prep in class on Monday March 25th, this will determine your weakest domains to identify which tutoring sessions you must attend. (Sessions and topic are on the back of this page)
3. Complete the required USATestPrep quiz sessions. - There are 6 domains listed in USATestPrep, these will be counted as lab/quiz grades.
4. Attend before school or after school 30 minute tutoring sessions. **You must be there for the entire 30 minute session, so do not be late. You must sign in at each session to receive credit.**

*If you have a 85 or above in biology - No sessions are required (Unless weakness is identified in a particular area)*

*If you have an 75-84 in biology - 2 Sessions*

*If you have a 70-74 in biology - 3 Sessions*

*If you have a 69 or below - 4 Sessions*

### **Session Dates and Times for Help**

**April 9th (7:10 - 7:40), April 10th (2:50 - 3:20), April 11th (7:10 - 7:40) - There is still PM tutoring**

Topics - Mr. Johnson (Rm 452) Mendelian Genetics (Mendel's Laws and Punnett Squares)  
Mrs. Miller (Rm 450) Cellular Energy (ATP, Photosynthesis, Cellular Respiration)  
Mrs. Rhymer (Rm 451) Classification (Cladograms and Kingdom Overview) - PM  
Coach Green (Rm 214) Classification (Cladograms and Kingdom Overview) - AM

**April 15th (2:50 - 3:20), April 16th (7:10 - 7:40), April 17th (2:50 - 3:20), April 18th (7:10 - 7:40)**

Topics - Mr. Johnson (Rm 452) Evolution (Natural Selection, Selection Patterns, Speciation)  
Mrs. Miller (Rm 450) Cell Structure, Function, and Transport (Organelles and Movement)  
Mrs. Rhymer (Rm 451) DNA, Protein Synthesis, and Mutations- PM  
Coach Green (Rm 214) DNA, Protein Synthesis, and Mutations - AM

**April 22nd (2:50 - 3:20), April 23rd (7:10 - 7:40), April 24th (2:50 - 3:20), April 25th (7:10 - 7:40)**

Topics - Mr. Johnson (Rm 452) Microorganisms (Viruses vs. Bacteria)  
Mrs. Miller (Rm 450) Biochemistry (Macromolecules and Enzymes)  
Mrs. Rhymer (Rm 451) Cell Reproduction (Cell Cycle, Mitosis, and Meiosis)

**May 6th (2:50 - 3:20) and May 7th (7:10 - 3:20) - These do not count as your two 30 minute sessions, they are time to complete the practice quizzes on your different domains.**

USA Test Prep Practice - Mr. Johnson (Rm 452), Mrs. Miller (Rm 450), and Mrs. Rhymer (Rm 451)

Learn from your mistakes using the tools of USATestPrep, and keep working until you get it. ☺

I have full access to your activity on USATestPrep, and will be able to tell if you do not meet any of these requirements.

Due Date for this project is the end of day on Tuesday May 7th.

**If you pass the milestone, that grade will replace two test grades, one of which is the in class biology post-test and the other a test or assignment of your choice.**

**Student Milestone Prep Documentation**

Name: \_\_\_\_\_

Teacher: \_\_\_\_\_

Overall Score \_\_\_\_\_%

**Domain Scores**

**Structure and Function of Cells**      \_\_\_\_\_%      \_\_\_\_\_/12

    Reproduction      \_\_\_\_\_/2

    Macromolecules      \_\_\_\_\_/3

    Organelles and Homeostasis      \_\_\_\_\_/2

    Cell Transport      \_\_\_\_\_/3

    Photosynthesis and Cellular Respiration      \_\_\_\_\_/2

**Genetic Information in Cells**      \_\_\_\_\_%      \_\_\_\_\_/9

    DNA and RNA      \_\_\_\_\_/4

    Biotechnology      \_\_\_\_\_/3

    Genetic Variation      \_\_\_\_\_/2

**Genetics**      \_\_\_\_\_%      \_\_\_\_\_/8

    Mendel's Laws      \_\_\_\_\_/2

    Patterns of Inheritance      \_\_\_\_\_/3

    Sexual vs. Asexual Reproduction      \_\_\_\_\_/3

**Organisms**      \_\_\_\_\_%      \_\_\_\_\_/9

    Characteristics of Viruses and Other Organisms      \_\_\_\_\_/3

    Common Ancestry      \_\_\_\_\_/3

    Patterns in Structure and Function      \_\_\_\_\_/3

**Evolution**      \_\_\_\_\_%      \_\_\_\_\_/12

    Evidence of Common Descent      \_\_\_\_\_/2

    Evolution and The Understanding of Biology      \_\_\_\_\_/3

    Biological Resistance      \_\_\_\_\_/2

    Speciation      \_\_\_\_\_/2

    Genetic Changes and Populations      \_\_\_\_\_/3

What is your score in the class? \_\_\_\_\_

How many sessions are you required to attend based on this grade? \_\_\_\_\_

Which ones will best improve your domain scores? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**At Home Practice - Domain Quizzes**

	Attempt 1 Score and Date Taken	Attempt 2 Score and Date Taken	Attempt 3 Score and Date Taken
Structures and Functions of Cells	Date: _____ Score: ____/____ ____%	Date: _____ Score: ____/____ ____%	Date: _____ Score: ____/____ ____%
Genetic Information in Cells	Date: _____ Score: ____/____ ____%	Date: _____ Score: ____/____ ____%	Date: _____ Score: ____/____ ____%
Genetics	Date: _____ Score: ____/____ ____%	Date: _____ Score: ____/____ ____%	Date: _____ Score: ____/____ ____%
Organisms	Date: _____ Score: ____/____ ____%	Date: _____ Score: ____/____ ____%	Date: _____ Score: ____/____ ____%
Interdependence of Organisms	Date: _____ Score: ____/____ ____%	Date: _____ Score: ____/____ ____%	Date: _____ Score: ____/____ ____%
Evolution	Date: _____ Score: ____/____ ____%	Date: _____ Score: ____/____ ____%	Date: _____ Score: ____/____ ____%

Milestone Test Prep Tutoring Sessions

Date: \_\_\_\_\_

Name (PRINTED)	Teacher (Circle your teacher's name)
	<b>Rhymer/Green/Miller/Johnson</b>
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