

## **Biology 213 Checklist**

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The following skills are recommended for Biology 213, Cell Structure and Function.  
Choose the following textbook from the dropdown menu:

### **Lial: PreAlgebra & Introductory Algebra, 3e**

Once you have chosen the textbook, click on the words “study plan”. Expand the Chapter + to see the individual sections. For each section below, start by watching the section video then proceed to exercises. If you need help with an exercise, you can click on the menu to the right of the exercise for help, to read the related section of the textbook, or to see additional examples.

- Chapter O - Orientation Questions for Students
- Chapter 1 – Introduction to Algebra
  - 1.1 Place Values
  - 1.5 Problem Solving: Rounding and Estimating
  - 1.8 Exponents and Order of Operations
- Chapter 2 – Understanding Variables and Solving Equations
  - Sections 2.1 - 2.5
- Chapter 4 – Rational Numbers: Fractions
  - Sections 4.1-4.5
- Chapter 5 – Rational Numbers: Decimals
  - Sections 5.1 -5.6
  - 5.7 Mean, Median and Mode
- Chapter 7 – Percent
  - Sections 7.1 – 7.4
- Chapter 9 – Graphs
  - 9.1 Tables and Pictographs
  - 9.3 Bar Graphs and Lines Graphs
  - 9.4 -9.5 Rectangular Coordinate System and Graphing Linear Equations
- Chapter 8 – Measurement and the Metric System
  - Sections 8.1 -8.5
- Chapter 13 – Exponents and Scientific Notation
  - 13.1, 13.2, 13.5 Rules of exponents
  - 13.8 Scientific Notation