

# Science

Here's what you need to know:

- You'll need to understand science concepts, know how to read graphs and charts displaying scientific data, and use reasoning to interpret science information.
- The science test is not a memorization test! For example, you won't need to memorize the periodic table of elements, but you will need to recognize names and symbols of key elements in answering some questions.

Where and What help to get outside of class: (Khan Academy helps with these topics)

1. Punnett Square/Heredity

2. Balancing Chemical Equation (Be familiar with these chemical symbols.)

H-hydrogen

Cl-chloride

Al-aluminum

O-oxygen

Fe-iron

Ca-calcium

C-carbon

N-nitrogen

Mg-magnesium

Na-sodium

Si-silicon

K-potassium

3. Scientific Method questions in:

Life science

Earth and Space science

Physical science

General use of Scientific Method

Mathematical skills needed:

Mean, median, mode, range

Interpret graphs, charts, tables

Scientific Notation arithmetic

Statistics and probability

Science Practices

Comprehend Scientific Presentations

Express and Apply Scientific Information

Scientific Method

Statistics and Probability

Reason with Science Information

Life Science

Cell Structure and Functionality

Reproduction and Heredity

Cell Processes and Energy

Genetics

Human Body

Evolution and Natural Selection

Health Issues

Ecosystems

Earth and Space Science

Structure of Earth

Earth in the Solar System

Earth's Resources

Expanding Universes

Weather and Climate

Physical Science

Atoms and Molecules

Nature of Energy

Properties and States of Matter

Motion and Forces

Chemical Reactions

Electricity and Magnetism