STEMVISION INC

FREE
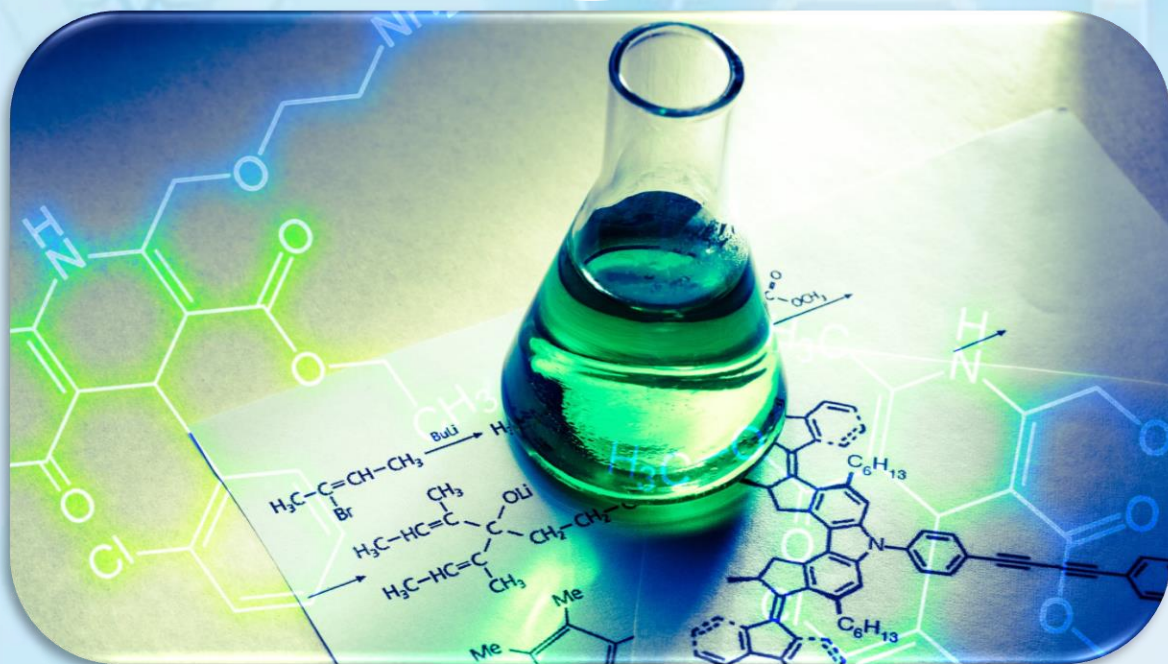
CHEMISTRY

For more resources, check us out at stemvision.org

CONCEPTS

- **Matter, Measurement and Problem Solving**
- **Atoms and Elements**
- **Isotopes and Periodic Table**
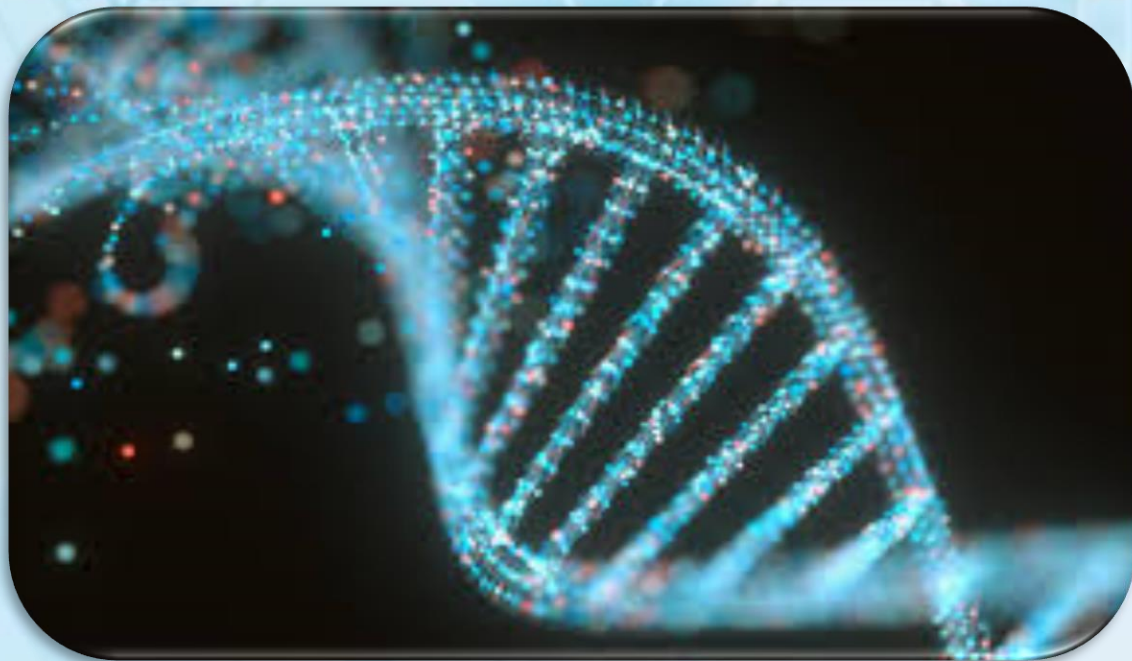- **Molecules and Compound**
- **Solutions**

Chemistry for Grades 6 to 8: Four weeks FREE course on Thursdays in July from 4:00 PM to 5:00 PM (EST)
07/02, 07/09, 07/16, 07/23

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BIOLOGY

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CONCEPTS

Week 1 — **Introduction to Cell**

Week 2 — **Evolution & Diversity**

Week 3 — **Plant Life**

Week 4 — **Ecology**

Biology for Grades 6 to 8: Four weeks FREE course on Tuesdays in July from 1:00 PM to 2:00 PM (EST)
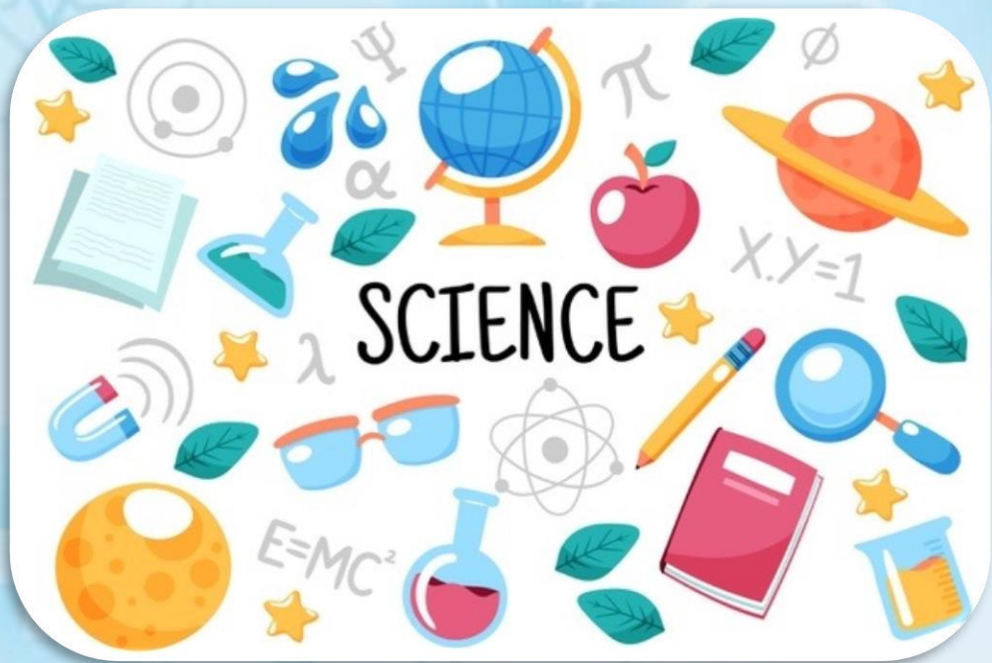07/07, 07/14, 07/21, 07/28

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SCIENCE FOR FUN

For more resources, check us out at stemvision.org

CONCEPTS

Week 1 **Rocks**

Week 2 **Adaptations**

Week 3 **Simple Machines**

Week 4 **Human Impact**

Science for Fun for Grades K to 2: Four weeks FREE course on Mondays in July from 3:00 PM to 3:45 PM (EST) 07/06, 07/13, 07/20, 07/27

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MATH FOR FUN

For more resources, check us out at stemvision.org

CONCEPTS

- **Basic Math Skills**
- **Place Value**
- **Rounding and Comparing Numbers**
- **Measurements**
- **Addition & Subtraction**
- **Geometry**

Math for Fun for Grades K to 2: Four weeks FREE course on Fridays in July from 3:00 PM to 3:45 PM (EST) 07/10, 07/17, 07/24, 07/31

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JAVA PROGRAMMING

What is JAVA?

Java is a cross-platform object-oriented programming language designed to allow application developers to write once, run anywhere. Java is mainly used for web and mobile applications.

CONCEPTS

Object Oriented Programming – a design philosophy revolving around using objects to simplify programming tasks
Object – A container for variables to describe a distinct "thing"
Class – A logical separation from outside variables, to differentiate between "things"
Inheritance – The ability for objects to acquire properties of their parent class.

Introduction to JAVA Programming for Grades 6 to 9: Four weeks FREE course on Saturdays in July from 1:00 PM to 2:00 PM (EST) 07/04, 07/11, 07/18, 07/25

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Programming in Python

For more resources, check us out at stemvision.org

What is Python ?
The Python is a programming language that is used for Automation, DevOps, Analytics, Data Mining, Machine Learning, Artificial Intelligence, Analytics and much more.
This Python course guides you from understanding the fundamentals of programming to writing simple python Scripts.

HW Pre-requisite – Windows 10 or higher with min 8 GB RAM. Must have disk space.
Student Pre-requisite – Enthusiasm and eagerness in learning & participation. Recommended for Middle School students.

Python Programming for Grades 5 to 8 – Four weeks FREE course on Sundays in July from 4:00 PM to 5:00 PM (EST) 07/05, 07/12, 07/19, 07/26

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