

Curriculum Profile

Life Science

By the end of GRADE SEVEN, each student should know and/or be able to do the following:

Animals

- Identify basic characteristics of different phylum for identification and classification purposes (12.A.3c)
- Distinguish characteristics of structure, reproduction and growth. (12.A.3a-c, 12.B3b, 13a.3c)
- Recognize and understand interactions between man and technology. (12.B.3a-b, 12.C.3a, 12.E.3b, 12.E.3c, 13.A.3b-c, 13.B.3a-f)
- Computer software and real dissection. (12.A.3c)

Plants

- Classify and identify tree types using leaf morphology. (12.A.3b-c, 12.B.3b)
- Identify basic characteristics of different phylum for identification and classification purposes (12.A.3c)
- Distinguish characteristics of structure, reproduction and growth. (12.A.3a-c, 12.B3b, 13a.3c)
- Recognize and understand interactions between man and technology. (12.B.3a-b, 12.C.3a, 12.E.3b, 12.E.3c, 13.A.3b-c, 13.B.3a-f)

Protists/Fungi/Virus/Bacteria

- Conduct investigations with bacteria cultures. (11.A.3a-g)
- Identify and reduce potential hazards in science activities. (13.A.3a)
- Identify basic characteristics of different phylum for identification and classification purposes (12.A.3c)
- Distinguish characteristics of structure, reproduction and growth. (12.A.3a-c, 12.B3b, 13a.3c)
- Recognize and understand interactions between man and technology. (12.B.3a-b, 12.C.3a, 12.E.3b, 12.E.3c, 13.A.3b-c, 13.B.3a-f)
- Examine historical and contemporary cases affected by virus and bacteria. (13.A.3b)

Cells

- Identify basic parts and functions of the cell. (12.A.3a.-3c, 12.C.3b., 13.B.3a., 3c., 3f.)
- Construct and label cells.
- Compare various cells and relate functions to everyday life. (12.A.3a.-3c, 12.C.3b., 13.B.3a., 3c., 3f.)

Scientific Method and Graphing

- Apply logic and the scientific method steps to all aspects. (13.A.3c, 13.B.3c, 13.A.3b-c, 11.A.3a-g, 11.B.3a-f)
- Create and analyze graphs. (11.A.3c-g, 13A.3c)

Safety and Microscopes

- Identify parts and function of the microscope and technology. (13.B.3a)
- Recognize science safety in the classroom. (13.A.3a)

Time allocation: 36 Weeks

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