

ARMENIAN EVANGELICAL CENTRAL HIGH SCHOOL

Grade 10 (Biology)

At the end of grade 10 the student should be able to:

Unit 1

- Describe photosynthesis.
- Discuss the fate of the substances produced.
- Differentiate between autotrophs and heterotrophs.
- Define nervous communication.
- Relate between receptors and effectors.
- Describe the organization of the nervous system in invertebrates and vertebrates.
- Compare the above 2.
- Tell the nature of nerve message.
- Describe the nervous message at the level of a nerve fiber.
- At the level of a nerve.
- Propagation.
- Nerve articulation.
- Describe the non-nerve communication.
- Explain the transmission of the information.
- Comprehend and explain target organs.
- Tell the characteristics of hormonal communication.
- tell how hormones are emitted.
- Reception of hormonal message.

Unit 2

- Tell or explain how can one multiply high-yield varieties.
- Tell the conditions that are needed to get better productivity.
- Describe in vitro culture.
- Analyze the factors that influence photosynthesis.
- Draw graphs.
- Interpret graphs.

Unit 3

- Explain the ways of polluting the running water.
- Analyze data and graphs about the subject.
- Ground water pollution.
- Discuss ways of managing and protecting fresh water habitats.