

The Fields of Learning program was designed to be flexible and adaptable and can be utilized in multiple grade levels, subject areas and learning environments.

In this lesson, students will learn about plant growth, including the importance of photosynthesis and soil nutrients. Students will identify the parts of the wheat plant and kernel and the stages of growth in the wheat plant.

Grade(s)	Subject	Course & TEKS Number	TEKS Description	Alignment Description
7	Science	7.13(C)	Diagram the flow of energy through living systems, including food chains, food webs, and energy pyramids	Photosynthesis and energy transfer
9	Science	Biology 112.34(c)(4)(A)	Describe the structure and function of cells	Chloroplasts and plant cells
9	Science	Biology 112.34(c)(9)(A)	Compare the structures and functions of different types of biomolecules	Carbohydrate production
11,12	Agricultural Science	Advanced Plant & Soil Science 130.245(c)(6)(A)	Analyze plant growth and development processes	Growth stages of wheat