

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 be introduced to wheat as a crop, learn about wheat production in Texas and discover the six classes of wheat grown in the U.S. and how the different varieties are used for food production.

Grade(s)	Subject	Course & TEKS Number	TEKS Description	Alignment Description
6	Science	6.12(E)	Describe biotic and abiotic parts of an ecosystem in which organisms interact	Soil, water and sunlight as abiotic factors affecting plant growth
7	Science	7.12(A)	Investigate and explain how internal structures of organisms have adaptations that allow specific functions	Root and vascular systems in wheat plants
8, 9	Agricultural Science	Principles of Agriculture, Food & Natural Resources 130.3(c)(4)(A)	Identify components of agricultural production systems	Soil preparation, planting and crop inputs
11, 12	Agricultural Science	Advanced Plant & Soil Science 130.245(c)(4)(A)	Examine soil properties and their impact on plant growth	Soil texture, nutrients and pH
6, 8	Family & Consumer Sciences	Middle School FCS (Nutrition Strand) (c) (3)(C)	Identify components of a balanced diet	Whole grains as part of daily nutrition
9, 10	Family & Consumer Sciences	Principles of Food Science 130.228(c) (2)(A)	Describe the science of food and its application	Milling process and flour functionality
9, 10	Family & Consumer Sciences	Principles of Food Science 130.228(c) (3)(C)	Analyze food sources and nutrient content	Whole wheat vs. refined flour comparison