

# Agricultural science study guide grade 12

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**What are the topics for Grade 12 Agricultural Science Paper 2?** Paper 1 deals with topics: Animal Nutrition, Animal Production, protection and control and Animal Reproduction. Paper 2 deals with Basic Genetics, Production Factors and Agricultural Management and Marketing.

**What is the basic agricultural genetics?** Agricultural genetics is the applied study of the effects of genetic variation and selection used to propagate valuable heritable trait combinations in crop plants and farm animals.

**What topic is agriculture chemistry?** Agricultural Chemistry is a branch of chemistry that explains the chemical and biochemical ongoing processes in soil and plant. It also covers the areas regarding mineral nutrients, applications of fertilizers, and soil fertility related to product yield enhancement.

**What are the topics for Grade 2?**

**How is DNA used in agriculture?** Many new plant varieties being developed or grown by farmers have been produced using genetic engineering, which involves manipulating the plant's genes through techniques of modern molecular biology often referred to as recombinant DNA technology.

**What are the basic principles of agriculture?** The basic principles of farming are: choose the right time, break up the soil, see to its fertility and moisture, hoe early and harvest early.

**What is epigenetics in agriculture?** The plant epigenetic regulation includes histone-modifying enzymes, non-coding RNAs, and DNA methylation that affect the expressions of various genes. From: International Journal of Biological

Macromolecules, 2022.

**What are the three main chemicals used in agriculture?** Many farmers choose to use chemicals to keep weeds and pests from destroying their crops and to add more nutrients to the soil. There are three different kinds of pesticides; herbicides, insecticides and fungicides. All three of these pesticides are used to kill different kinds of pests that can be found on a farm.

**Does chemistry play a role in agriculture?** Through the production of pesticides, fertilizers, and antibiotics, it is evident that chemistry has played a significant role in maximizing the yield of animal products and crops.

**What is green chemistry in agriculture?** The goal is to balance higher manufacturing output with environmental cleanliness. Green Chemistry promotes cleaner technologies for eco-friendly production of essential goods and services. These technologies are crucial for sustainable agriculture, minimizing environmental impacts and boosting crop efficiency [1,2].

**What is 1st grade?** It is the second year of school after Kindergarten (called Prep in some states), and children are usually between 6 and 7 years old when entering.

**What is science for grade 1?** Generally, a first grade science curriculum should teach the following: Life science (plants, animals, habitats) Classification of animals and different animal habitats. Distinguishing between living and nonliving things. Earth and space science (solar system and beyond)

**What is Grade 2 math?** Second graders learn to read and write numbers to 1,000. They practice skip counting by 5s, 10s, and 100s as they notice patterns among numbers. At home: Create opportunities for reading and writing three-digit numbers. For example, have your child read the numbers on nutritional labels.

**Which topics are in life science paper 1 grade 12?**

**What is the best subject combination for agriculture?** UTME Subject combination for Agriculture: Chemistry, Biology/Agriculture and any one of Physics or Mathematics. NOTE: Kindly make references to JAMB Brochure for remarks/waiver for Agriculture. [CLICK HERE TO ACCESS JAMB BROCHURE.](#)

## Which topic is best for research in agriculture?

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