Hospitality and Tourism
Food Science Writing Prompts

130.230. Food Science
All writing prompts address TEKS (2) The student uses scientific methods and equipment during laboratory and field investigations. The student is expected to:

(A) distinguish between scientific hypotheses and scientific theories;

Think about the differences between scientific hypotheses and scientific theories. Write an essay explaining these differences. (9th and 10th grade expository writing)

(5) The student applies the principles of food safety and microbiology. The student is expected to:

(B) explain the difference between food intoxication and food infection;

Think about the difference between food intoxication and food infection. Write an essay explaining this difference. (9th and 10th grade expository writing)

(8) The student understands the functions of enzymes. The student is expected to:

(E) explain how enzyme reactions are involved in food preparation

Think about enzyme reactions. Write an essay explaining how enzyme reactions are involved in food preparation. (9th and 10th grade expository writing)

(11) The student understands the purposes of additives in food. The student is expected to:

(G) discuss the advantages and disadvantages of using food additives;

Think about the advantages and disadvantages of using food additives. Write an essay stating your position on the use of food additives. (10th and 11th grade persuasive)
(13) The student understands metabolism. The student is expected to:

(G) describe metabolic changes and the effect they have on the body during fasting;

Think about metabolic changes. Write an essay explaining the effects metabolic changes have on the body during fasting. (9th and 10th grade expository writing)

(14) The student explains how food provides energy. The student is expected to:

(I) discuss energy imbalances in relation to weight-related disorders and diseases;

Think about energy imbalances in relation to weight-related disorders and diseases. Write an essay explaining how you think energy imbalances relate to weight-related disorders and diseases. (10th and 11th grade persuasive writing)

(15) The student describes the basic nutrients and their specific properties as related to food science. The student is expected to:

(D) discuss the importance of fiber in the diet.

Think about the importance of fiber in the diet. Write an essay stating your position of fiber in the diet. (10th and 11th grade persuasive writing)

(19) The student understands the coagulation and coalescence processes associated with milk protein and cheese. The student is expected to:

(G) explain the changes that occur when milk is heated

Think about the changes that occur when milk is heated. Write an essay explaining these changes. (10th and 11th grade expository writing)

(22) The student analyzes the food irradiation process. The student is expected to:

(C) describe the effects of irradiation on food.

Think about the effects of irradiation on food. Write an essay explaining your position on irradiation of food. (10th and 11th grade persuasive writing)
(26) The student analyzes the food freezing process. The student is expected to:

(C) identify advantages and disadvantages of freezing food.

Think about the advantages and disadvantages of freezing food. Write an essay explaining your position on freezing food. (10th and 11th grade persuasive writing)