## Plenish® of ways to use oil

# **Ohio Standards**

## **Science Inquiry and Application:**

1. Identify questions that can be answered through scientific investigations:

- a. Design and conduct a scientific investigation using proper laboratory safety techniques.
- b. Use appropriate mathematics, tools and techniques to gather data and information
- c. Analyze and interpret data
- d. Develop descriptions, models, explanations and predications
- e. Think critically and logically to connect evidence and explanations
- f. Communicate scientific procedures and explanations.

### **CTE Standards:**

# Agricultural and Environmental Systems Career Field Science & Technology of Food

# Subject Code: 011010

### Strand 7. Food Science

Learners apply principles of biology, chemistry and physics to the research, development, production, processing and distribution of food products meeting quality assurance standards in a system that is safe and secure.

### **Outcome: 7.1. The Science of Food**

Differentiate the structures, functions and sources of basic functional ingredients and the roles they play in the development and manufacturing of food products for human nutrition.

### **Outcome: 7.5. Food Product Development**

Apply principles of nutrition and human behavior to create a new food prototype that meets a specific dietary need or demand for consumption, design packaging and seek label approval.

### Competencies

- 7.5.1. Conduct a sensory evaluation of food products.
- 7.5.2. Identify consumer preferences, trends and opportunities affecting food product development.
- 7.5.4. Calculate nutrient values, serving sizes and nutrient variability for a food product.
- 7.5.6. Develop a food product package and label according to industry standards.
- 7.5.7. Estimate the shelf life and potential changes in attributes over time.

