Applications of Food Science and Safety
Cycle Theme: Transcendence / Autumn 2019

Transcendence is defined as "existence or experience beyond the normal or physical level" (google.com). Transcendence is an ideal that people strive for in many aspects of their life. Transcendence is all about overcoming limitations. For thousands of years humanity has come together to help each other overcome limits. Humans learn lessons from plants and animals that have transcended their own limitations to survive.

You are going through an amazing time in your life! Adolescents push themselves beyond their physical and intellectual limits in an effort to transcend into maturity. Together we will discover the amazing science of food processing and design some of our own tasty creations. The field of food science is focused on elevating raw ingredients beyond their individual properties through the use of technology and innovation. Hundreds of thousands of years ago as our ancestors harnessed fire they began a food revolution that continues today. In this cycle we will find our place in this exciting history and how we can contribute to a positive food future for ourselves and our community.

Guiding Questions

1. How has humanity transcended the limitations of our environment?
2. How have you overcome limitations in your life?
3. How do our local plants and animals transcend their limitations?
4. In what ways has food science contributed to the transcendence of humanity?

What You Will Do:

- ❑ Identify the physical and intellectual limits of humanity
- ❑ Set goals and create strategies to overcome personal limitations
- ❑ Observe plant and animal adaptations that allow them to transcend their limitations
- ❑ Research the history of the food science industry and experiment with seasonal ingredients

What You Will Learn:

- ★ That you are strong and capable of making positive contributions to society
- ★ That you can overcome personal limits by reaching out and asking for help
- ★ How to support local wildlife and cultivate an autumn urban garden
- ★ The advancements made by the food science industry and how they affect modern diets