

Professional development—building our communities of practice

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FSHN graduate programs—a learning community

- What we can do to enhance our community?

Individually	As leaders of our community
Be clear on our purpose	Hold high expectations
Act with autonomy	Support skill development
Learn to solve problems	Show we care about each other
Connect socially	Provide chances to make a difference

- Program learning outcomes
 - Apply scientific thinking in the analysis, synthesis and evaluation of knowledge within the disciplines of food science, nutritional sciences and dietetics.
 - Apply ethical reasoning within the disciplines of food science, nutritional sciences and dietetics.
 - Effectively communicate discipline-specific information in writing and speaking.
 - Effectively interact within scientific teams.

Making a difference scenario-2020

Practicing scientific thinking and teamwork

- Iowa is experiencing a renewed interest in local foods, modestly increasing fruit and vegetable production, and attempting to decrease dependence on such imports. At the same time, our economy is suffering due to low costs of fuel (decreasing value of ethanol); food deserts, poverty and obesity continue to be problems across Iowa. Our department's goal is to help solve Iowa's problems by applying food and nutritional sciences.
- What actions should be taken by the interdisciplinary FSHN graduate student organization to support this goal?
- Think of as many possibilities as you can.
- Make a check list—for each action, what will be needed? Make sure you include multiple possibilities within each item on your checklist.

An exercise in creative problem solving

- Design a chair—think of as many different ones as possible
- What categories of differences would be important?
- Creativity dimensions
 - Fluency
 - Flexibility
 - Originality
- Apply these thinking dimensions to your action planning based on the scenario

Teamwork and scientific thinking

- As you work on this scenario
- Appoint each team member to a role—convener, recorder, spokesperson, teamwork monitor
- Note and record examples of teamwork behavior as you proceed
- Note your practices of scientific thinking as you work

Solving Iowa's food and nutrition issues: action checklist

- what aspects need to be considered for each proposed action?

Action:	Aspect 1	...2	...3	...4
Item 1				
Item 2				
...				

Report on teamwork

- Team spokesperson:
 - Describe one action your team created.
 - How many other possibilities did your team come up with?
 - Give an example of an action of a team member that especially helped your team's work.