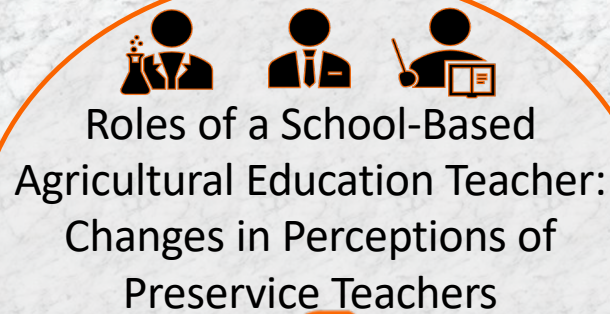


Introduction and Theoretical Framework

The school-based agricultural education (SBAE) preservice teacher population is largely drawn from secondary students active in their local SBAE programs (Ingram et al., 2018). This experience may form preconceived notions related to important roles of a SBAE teacher (Smalley & Rank, 2019). Teacher educators need to be aware of these preconceived notions and create meaningful learning experiences to allow students to assimilate or accommodate new knowledge (Hilton & McCleary, 2019).

Research has identified competencies in instruction, program planning, FFA, SAE, and professional growth and management (Burris & Keller, 2008; Roberts & Dyer, 2004). The purpose of this study was to examine changes in preservice teachers' value of SBAE teacher roles over the semester in a foundations and philosophy class. The research objective sought to assess perceptions of important roles in the beginning and end of the semester.



Roles of a School-Based Agricultural Education Teacher: Changes in Perceptions of Preservice Teachers

Dr. Jessica M. Toombs, Kristopher R. L. Rankin III, Emily O. Manuel, Emily A. Sewell, Dr. Robert Terry, Jr.

Methodology

Preservice teachers enrolled in Foundations and Philosophies of Teaching Agricultural Education during the Fall 2020 at Oklahoma State University (OSU) were the population of interest for this study ($N = 47$). Data were collected at two points during the semester. Initial data were collected during Week 3 ($n = 46$) and final data were collected in Week 11 ($n = 39$). All data collection occurred during class. Preservice teachers were asked to identify three roles from a list of 21 they felt were most important for a SBAE teacher. Directions clearly stated participants need not rank importance of roles, only to indicate the three they believed to be most important. The roles listed on the instrument were collected from literature (Burris & Keller, 2018; Roberts & Dyer, 2004; Smalley & Rank, 2019) and checked for face and content validity by SBAE experts. Once data were collected, frequency counts were calculated for all roles. Those counts and the percentage of preservice teachers reporting those roles were used for analysis.

Findings, Conclusions, and Recommendations

Even with attrition accounting for seven less responses during Week 11, five attributes were repeated among the six most commonly identified roles of a SBAE teacher in both the initial and final collection. AGED 3103 students consider *classroom teacher* to be the most important role of school-based agricultural education teachers. Prominence of this role could be due to the course's emphasis on classroom instruction. Participants completed early field observations of classroom instruction and developed lesson plans including anticipatory sets, direct instruction, learning activities, and formative assessments. Perceptions about teachers' roles as *youth organization leader* and *leadership consultant* changed the most during the course. Possible reasoning for this drop in frequency could be focus of the course on agricultural education teaching methods. Future research could utilize this instrument to investigate the individual roles SBAE teachers identify within themselves at incremental points within their career. Cross examining perceptions between pre-service and certified agricultural educator roles could assist teacher educator programs enforce the importance of the different roles within certain points of curricula. Qualitative methods would provide context and further explain the role of constructivism in changing perceptions.

Initial Collection (n = 46)

Final Collection (n = 39)

Initial Collection (n = 46)			Final Collection (n = 39)		
Role	Count	%	Role	Count	%
Classroom teacher	30	62.21	Classroom teacher	28	71.79
Youth organization advisor	20	43.48	Life-long learner	16	41.03
Life-long learner	17	36.96	Community leader	15	38.46
Community leader	13	28.26	Agriculture consultant	11	28.21
Leadership consultant	11	23.91	Coach	11	28.21
Agriculture consultant	10	21.74	Youth organization advisor	11	28.21
Project supervisor	9	19.57	Program administrator	6	15.38
Coach	7	15.22	Counselor/therapist	3	7.69
Program administrator	7	15.22	Laboratory instructor	3	7.69
Laboratory instructor	4	8.70	Leadership consultant	3	7.69
Student recruiter	4	8.70	Project supervisor	3	7.69
Counselor/therapist	3	6.52	Adult educator	2	5.13
Facilities manager	2	4.35	Event planner	2	5.13
Travel agent	2	4.35	PR representative	1	2.56
Adult educator	1	2.17	Student recruiter	1	2.56
Professional society member	1	2.17	Travel agent	1	2.56