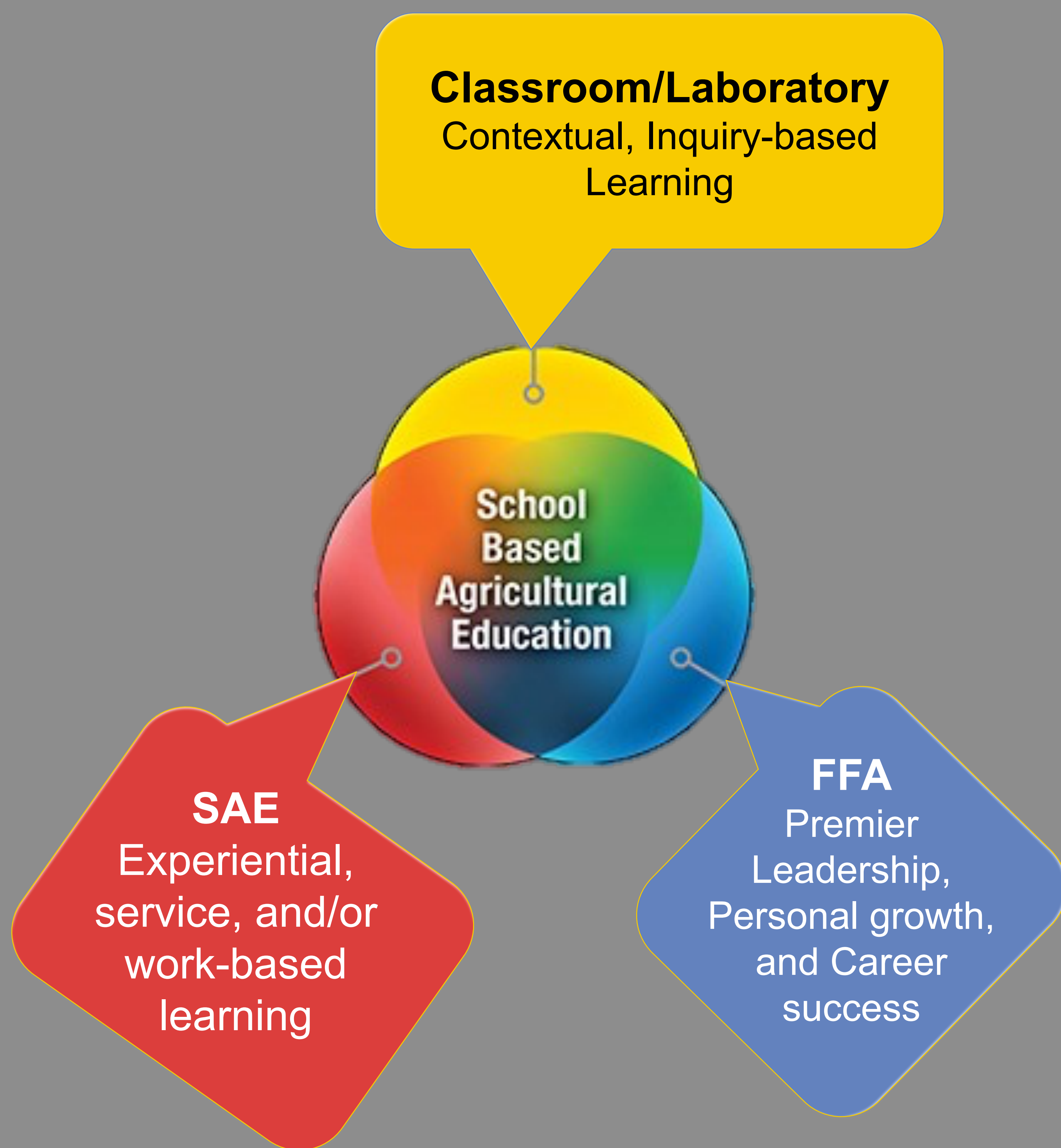


Measuring School-Based Agriculture Education Total Program Success



Methods:

- 21 agricultural education teachers
- 3 rounds of surveys
- 66.7 % agreement rate determined *a priori*
 - Round 1
 - 3 open-ended questions
 - Round 2
 - 59 items
 - Likert agreement scale 1-5
 - Comment box to add additional metrics
 - Round 3
 - 14 metrics from Round 2 + 5 metrics from comment boxes

Results:

Upon completion of the three rounds the panel identified one classroom, five FFA, and three SAE metrics to indicate total program success.

	Criteria	Agreement %	
Classroom Instruction	Pesticide Certification	68.4	✓
	Beef Quality Assurance certification	63.1	✗
	Master Livestock certification	52.6	✗
	Hunter Education certification	52.6	✗
	Welding certification	63.2	✗
	# of students who enroll in post-secondary education	52.6	✗
	Teacher is CASE certified	36.8	✗
	CASE online student assessments	36.8	✗
	CASE authentic assessment rubrics	36.9	✗
	Pork Quality Assurance certification	57.9	✗
FFA	Chapter community service hours	78.9	✓
	Average number of volunteer hours per student	36.8	✗
	Number of students participating in CDEs	84.2	✓
	Program of Activities	94.7	✓
	Number of CDEs coached	68.4	✓
	Total number of FFA activities	78.9	✓
SAE	Percentage of students with SAE	77.7	✓
	One American Degree every 3 years	78.9	✓
	At least one proficiency at regional level	84.2	✓

Conclusion:

Due to the lack of agreement on numerous metrics in the classroom setting, the Tennessee Department of Education should pursue further consensus among agriculture educators before implementing metrics to base classroom assessment on. The metrics that were agreed upon in the SAE and FFA categories should be reviewed for appropriateness towards total program success.