

# Determining Factors That Motivate High School Agriculture Science Students

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## INTRODUCTION

The purpose of this study is to determine what are the outstanding factors which motivate high school agriculture science students to learn science

Objective 1: Describe demographic characteristics of students that participated in Texas State FFA Ag Mechanics CDE

Objective 2: Measure possible factors that motivated students that participated in Texas State FFA Ag Mechanics CDE



## METHODS

- Science Motivation Questionnaire II (SMQ II)
- Focuses on high school students in Texas enrolled in agriculture education and members of the National FFA Organization

### *Construct Scores*

	<i>M</i>	<i>Mode</i>	<i>SD</i>
Grade Motivation	3.74	5	0.99
Career Motivation	3.74	5	0.94
Self-Efficacy	3.72	3	0.83
Intrinsic Motivation	3.48	3	0.78
Self-Determination	3.18	3	0.94

*Note.* Response options ranged from 1 (*Never*) to 5 (*Always*)

## CONCLUSIONS

The highest mean scores were found to be related to *grade motivation*.



## RECOMMENDATIONS

Some recommendations for practice include adding a more contextualized approach to learning in the classroom or lab.