

Strong teacher-student relationships can allow students to better engage in academically and socially productive ways (Gallagher, 2013)



ities  
academi  
rowth  
Freeman,  
Reverdit  
Schaben

# LIGHTS, CAMERA, DATA!

Greg Hroch  
5-Star Students



Debbie Beagle  
Vernon Hills  
High School



@VHStuActBeagle

Ted Goergen  
Adlai E. Stevenson  
High School



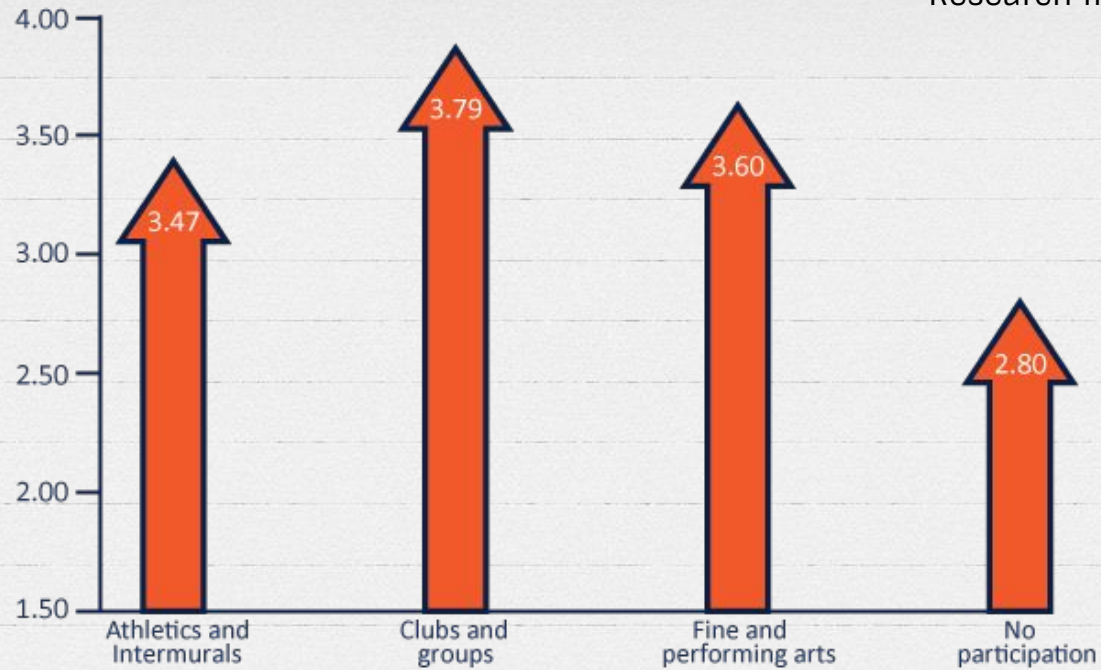
@ted\_goergen



## Improved Educational Outcomes

Higher grades, better  
attendance, less discipline  
concerns, increased  
confidence, connectedness to  
school

\* Research from 3 high schools  
(2014/15)



# CORRELATION WITH GPA



Engaged students have improved academic performance.

X Involved students average GPA 3.53

X Uninvolved students average GPA 2.74



**5STAR**  
STUDENTS

Engaged  
students have  
improved  
academic  
performance.

	G.P.A
Performing Arts	3.92
Clubs/Groups	3.99
Athletics	3.71
Intramurals	3.64
Total	<b>3.86</b>
Not Participating	2.93



## Engagement and the ACT

- X In an activity: 76% chance ACT Composite score above 26
- X Not in an activity: 40% chance ACT score in 21-25





# CORRELATION WITH ATTENDANCE

- Involved students missed 3 fewer days
- 8 out of 10 chronically absent students were not involved



Average days absent for  
involved students



Average days absent for  
students with no activities



Engaged students have better attendance.

- x Involved students average 6 days absent
- x Uninvolved students average 11 days absent



**0.29**

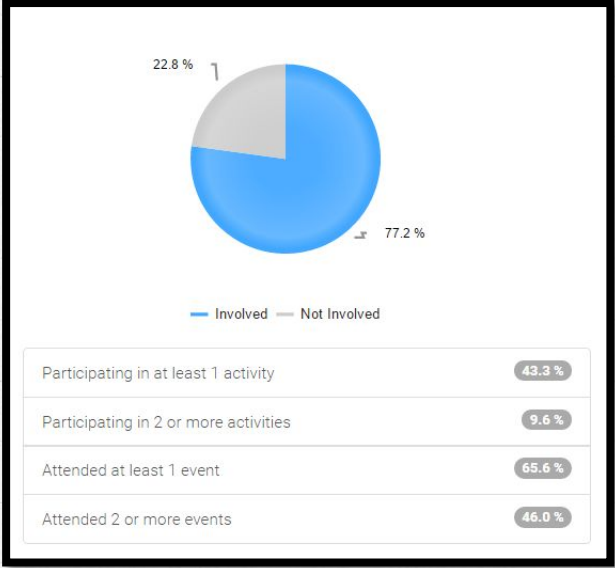
Number of referrals given  
to involved students

**0.61**

Number of referrals given  
to uninvolved students

**CORRELATION WITH DISCIPLINE**

# WHO IS AND ISN'T ENGAGED?



### Not Involved Student List

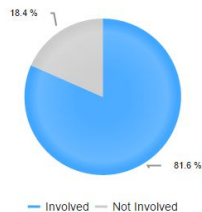
Grade: All  
Gender: All  
Period: 2016/2017

Last name	First name	ID	Grade	Gender
Albrecht	Ashleigh	1234566	9	F
Alderman	Armond	1345677	12	M
Allen	Rachel	1456788	11	F
Amado	Christopher	1679010	9	M
Anding	Karla	10243	11	F
Anyiwo	Fatmeh	2123454	9	F
Apodaca	Katina	10328	12	F
Aquil	Rueben	10871	9	M
Arekat	Hector	2234565	12	M
Arenos	Ariel	10271	12	F
Arnold	Joana	2679009	12	F
Arnold	Mason	2567898	9	M



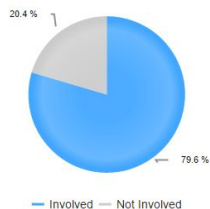
# RELEVANT INVOLVEMENT DATA

## Grade 9



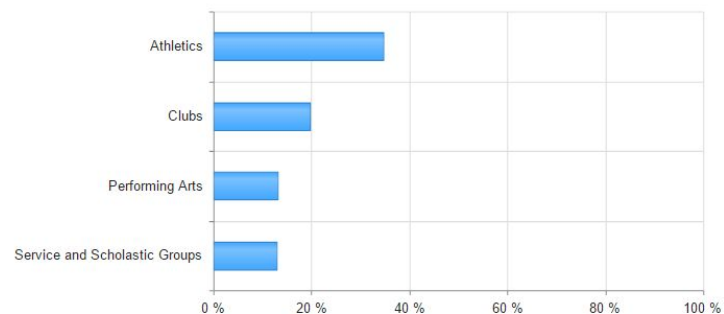
Number of individuals	1049
Number of participants	690
Number of attendees	675
Participating in at least 1 activity	65.8%
Participating in 2 or more activities	29.3%
Attended at least 1 event	64.3%
Attended 2 or more events	48.0%

## Grade 10



Number of individuals	959
Number of participants	604
Number of attendees	592
Participating in at least 1 activity	63.0%
Participating in 2 or more activities	25.3%
Attended at least 1 event	61.7%
Attended 2 or more events	42.5%

## Participation by Activity Type





# WHAT IS 5-STAR STUDENTS?

- X Activities
- X Events
- X Behaviors
- X Interventions
- X Online tickets
- X Surveys and voting
- X Dance check in
- X Emergency check in





# FORMULA FOR SUCCESS

## Track

Keep track of student involvement in school activities and events with web, mobile and barcode scanning technology

## Drive

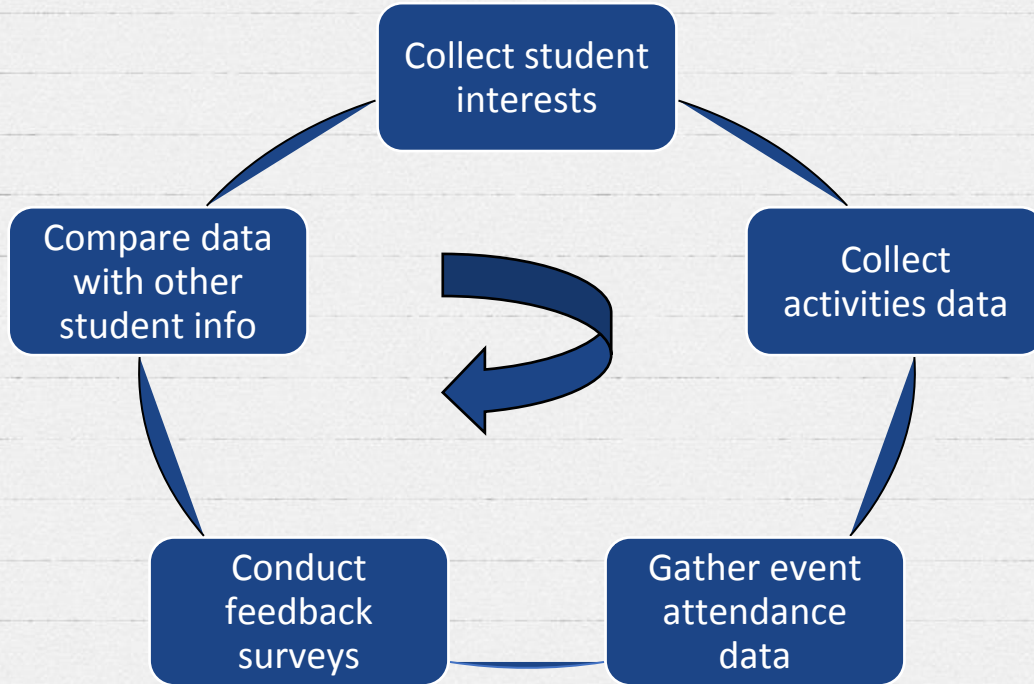
Assign point values and incentives to drive involvement

## Recognize

Manage programs to encourage and recognize school involvement. Publish results on-line

# KEEP TRACK OF INVOLVEMENT

“Follow the 5-point plan”





# WHAT ARE THEIR INTERESTS?

## Interests Survey

Tell us about your interests!

### 1. Select your interests (check all that apply)

- Archery
- Art
- Astronomy
- Aviation/Rocketry
- Band
- Baseball
- Basketball
- Billiards
- BMX
- Bowling
- Boxing
- Cars
- Cheerleading
- Chess
- Climbing
- Color Guard
- Computer Programming



## Thank You

Based on your responses, here are some activities you might be interested in!

Activity	Description	Contact
Baseball	Tryouts are February 17-19	Coach Winters, 760-612-6085, winters@demo.com
Art Club	We meet every Tuesday!	Mrs. Rogers, Room 203

Next

powered by 



# ADD ACTIVITY PARTICIPANTS



**5★** ACTIVITIES - COMPETITIVE CLUBS  
Speech and Debate Club

[RETURN TO ACTIVITIES](#) [REMOVE ACTIVITY](#)

[Edit activity](#)

[+ Add from list](#) [≡ Add from IDs](#) [➡ Import from file](#) [□ Import from scanner](#) [📅 Qualify from events](#) [🗑 Remove](#)

Type	Last name	First name	ID	Grade	Gender	Active	
Student	Accola	Rebecca	456789	12	F	Yes	
Student	Axon	Paul	10296	12	M	Yes	
Student	Bailey	Amanda	3679008	11	F	Yes	
Student	Costa	Marco	16123440	11	M	Yes	
Student	Lanese	Tanner	10182	11	M	Yes	
Student	McDermott	Kirsten	47012298	9	F	Yes	
Student	Port	Danielle	58678953	12	F	Yes	
Student	Rodriguez	Yvette	64901169	12	F	Yes	
Student	Sanni	Javier	67901166	9	M	Yes	

10 items per page 1 - 9 of 9 participants

# TRACK EVENT ATTENDANCE



EVENTS  
Add Event

CALENDAR CATEGORIES BARCODES

New Event

Type: One-time

Event: Basketball vs. Jefferson

Event date: 1/12/2017

Start time: 7:00 PM

End time:

Category: Sports

Related activity: None

+ More Options

Create Event Cancel



EVENT - ATTENDEES  
1/12/2017 - Basketball vs. Jefferson

RETURN TO CALENDAR REMOVE EVENT

Edit event

Manage Tickets

+ Add from list Import from file Import from scanner Online check-in Remove all

Type	Last name	First name	ID	Grade	Gender	Arrived	Left	Ticket	Guests
Student	Adams	Anna	10013	10	F	1/12/2017 6:47 PM		No	0
Student	Aispuro	Lara	901233	12	F	1/12/2017 6:47 PM		No	0
Student	Ayuso	Alexandra	10199	11	F	1/12/2017 6:47 PM		No	0
Student	Bailey	Amanda	3679008	11	F	1/12/2017 6:47 PM		No	0
Student	Baker	Dylan	4012341	12	M	1/12/2017 6:47 PM		No	0
Student	Birtcher	Shelby	6567894	9	F	1/12/2017 6:47 PM		No	0
Student	Blackwelder	Peggy	10252	12	F	1/12/2017 6:47 PM		No	0
Student	Blanks	Cortez	10024	10	M	1/12/2017 6:47 PM		No	0
Student	Brodersen	Parker	10340	12	M	1/12/2017 6:47 PM		No	0
Student	Brooks	Julia	9234558	9	F	1/12/2017 6:47 PM		No	0

1 2 3 4 items per page 1 - 10 of 35 attendees

# COLLECT FEEDBACK AFTER EVENTS

## Dance Feedback

Please give us your feedback on the dance you attended last Friday. Your responses and suggestions will help make the next one even better!

1. How would you rate the start time of the dance?

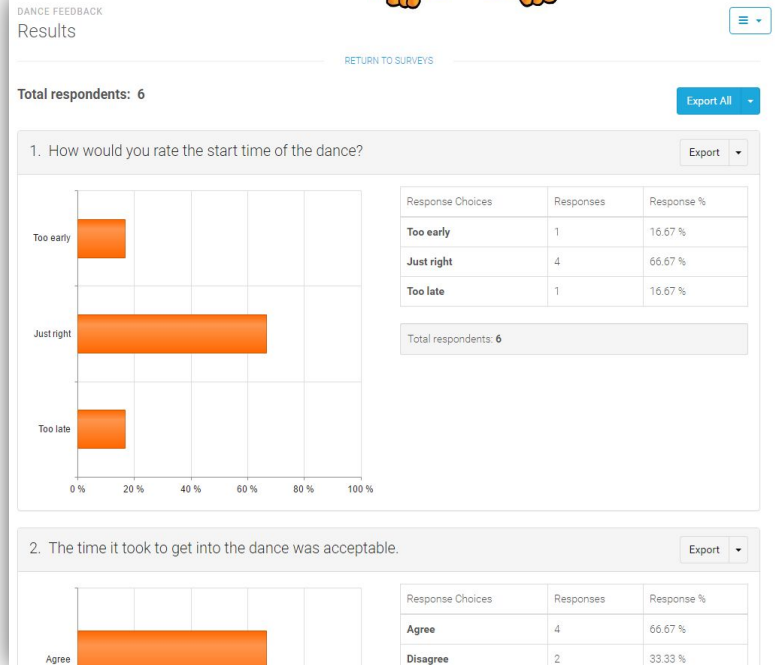
- Too early
- Just right
- Too late

2. The time it took to get into the dance was acceptable.

- Agree
- Disagree

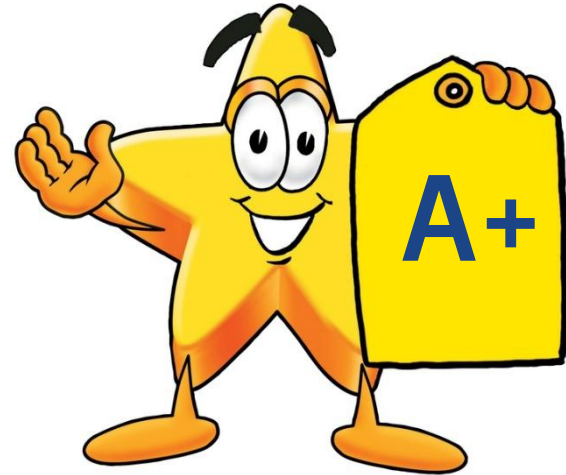
3. What parts of the dance did you like?  
Check all that apply

- Theme
- Decorations
- Music



# COMPARE WITH OTHER STUDENT INFORMATION

- Grades
- Test Scores
- Attendance
- Discipline
- College Admissions

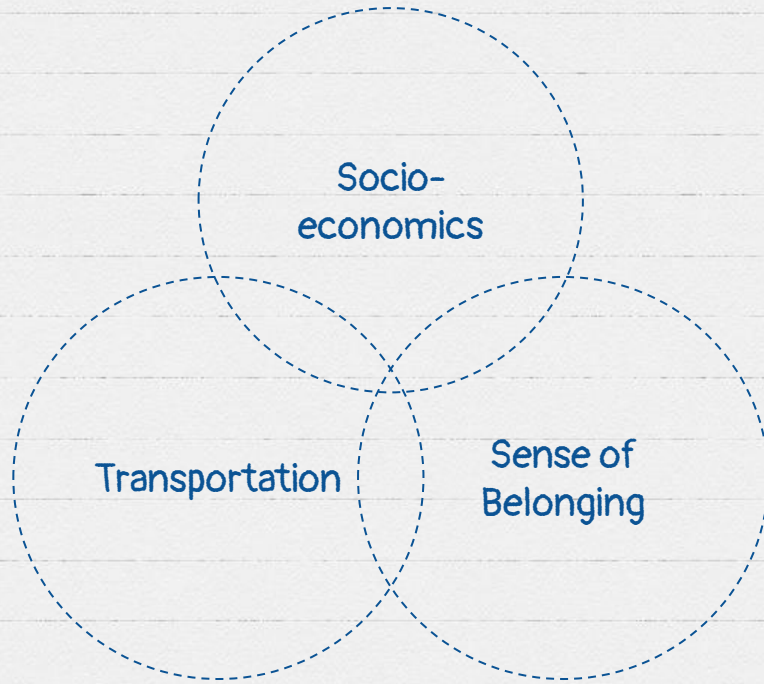






What are we missing?

Things that make you go hmmm





# Dissertation findings on Student Engagement

- Narrowing the focus -

A Quantitative Study  
Exploring the Correlation  
Between Socioeconomic  
Status and Involvement in  
Extracurricular Activities

- D. Beagle

The purpose of this study was  
to explore the relationship  
between participation in  
cocurricular activities and  
sense of belonging and  
teacher-student relationships  
in high school students.

-T. Goergen





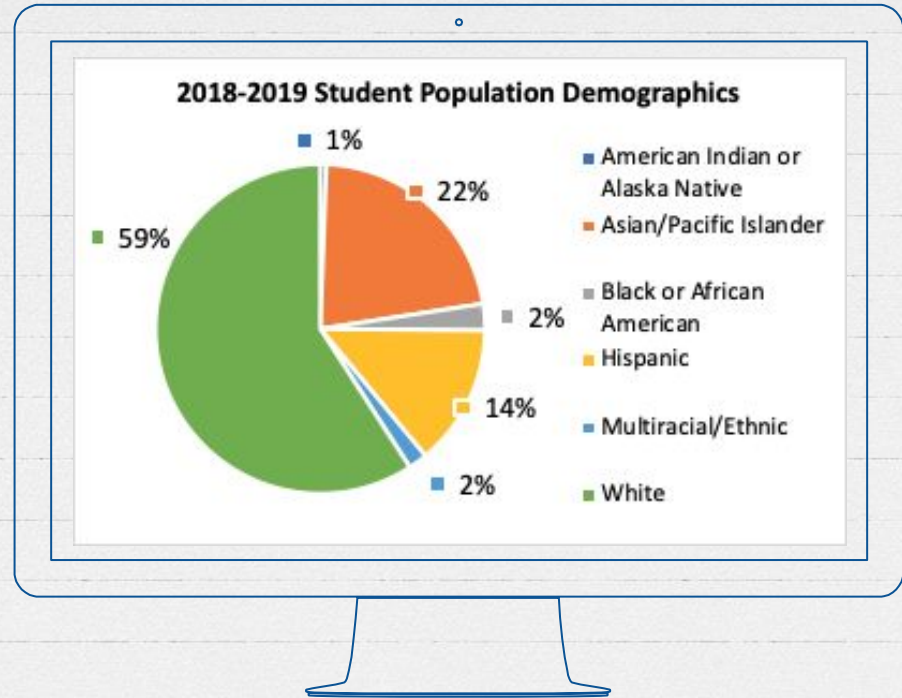
## Socioeconomics

Is a student's SES preventing them from being engaged in extracurricular activities?



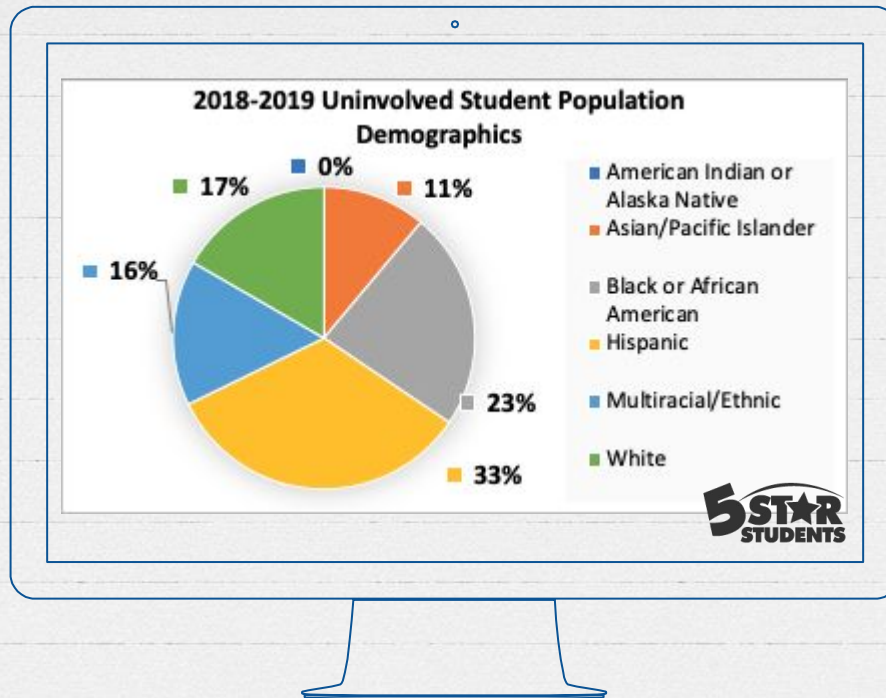
We don't know  
what we don't  
know . . .

Snapshot of  
demographics of  
student population.



# Who is not engaged?

Our hispanic population makes up 14% of our student population and is our largest demographic of students not participating in extracurricular activities.



# Grade Level Engagement Distribution

## Freshman Class

86.7 % in at least 1 activity

65.9% in 2 or more activities

## Sophomore Class

83.8 % in at least 1 activity

65.3% in 2 or more activities

## Junior Class

84.5 % in at least 1 activity

67.2% in 2 or more activities

## Senior Class

80.5 % in at least 1 activity

63.0% in 2 or more activities

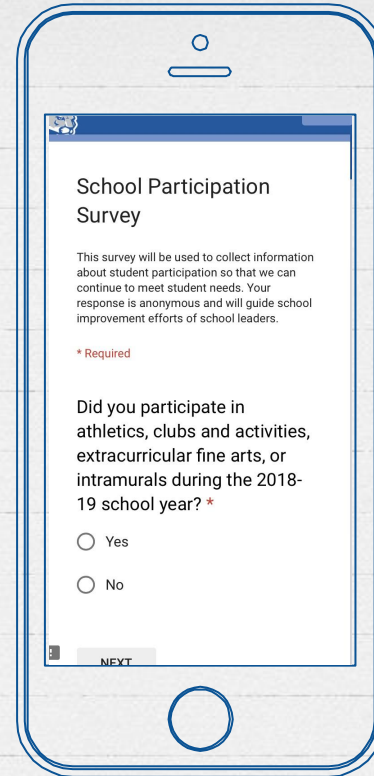


# Survey Students

Gather information to guide school improvement efforts of school leaders.

Why are you not involved?

- x Employment
- x Family Commitment
- x Financial
- x Transportation
- x Travel Program
- x Unsure how to get involved



School Participation Survey

This survey will be used to collect information about student participation so that we can continue to meet student needs. Your response is anonymous and will guide school improvement efforts of school leaders.

\* Required

Did you participate in athletics, clubs and activities, extracurricular fine arts, or intramurals during the 2018-19 school year? \*

Yes

No

NEXT


# Dissertation





# Research Questions:

- x RQ1: What is the relationship between the SES of Hispanic students and involvement in school-based extracurricular activities?
- x RQ2: What is the relationship between the SES of female students and involvement in school-based extracurricular activities?
- x RQ3: What is the relationship between the SES of male students and involvement in school-based extracurricular activities?
- x RQ4: What is the relationship between the SES of students in Grade 12 and involvement in school-based extracurricular activities?



A Quantitative Study Exploring the Correlation Between Socioeconomic Status and  
Involvement in Extracurricular Activities  
by  
Deborah S. Beagle

Dissertation Submitted to the Doctoral Program  
of the American College of Education  
in partial fulfillment of the requirements for the degree of  
DOCTOR OF EDUCATION  
July 2019

# Results:

- x RQ1: Not a significant correlation between the SES of participants identified as **Hispanic** and involvement in school-based extracurricular activities.
- x RQ2: A significant correlation between the SES of participants identified as **female** and involvement in school-based extracurricular activities.
- x RQ3: A significant correlation between the SES of participants identified as **male** and involvement in school-based extracurricular activities.
- x RQ4: Not a significant correlation between the SES of participants identified as students in **Grade 12** and involvement in school-based extracurricular activities.



## Informed Actions:

- X SES Literature: Financial Assistance Guide
- X Fee Waiver Services
  - X Resources available upon request
- X Improve Communication
  - X Counselors
  - X Parents

## Next Steps:

- X Explore correlation between Bus Routes and students not engaged in extracurricular activities.



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## Sense of Belonging

Are involved students more likely to feel a sense of belonging to the school community?

We've built high schools  
that...

- X Create increased competition among students
- X Focus on test scores
- X Increase pressure on the college admissions  
process
- X Encourage inauthentic engagement



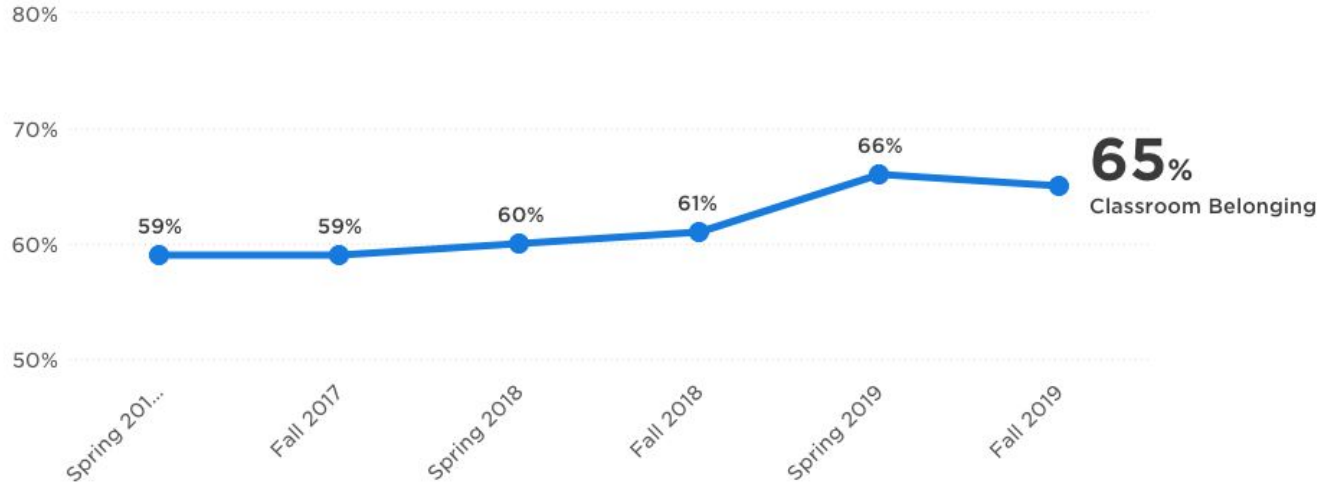
## Classroom Belonging

Based on **16,823** responses

How much students feel that they are valued members of the classroom community.

How have results changed over time?

Percent Favorable





Our students  
report  
experiencing:

- X Academic stress
- X Social stress
- X Anxiety
- X Depression
- X Family issues
- X Loneliness



# Survey Students

Gather information to guide school improvement efforts of school leaders.

- X Understood
- X Respected
- X Matter
- X Connected to adults
- X Overall belongingness

School Participation Survey

This survey will be used to collect information about your experiences as a Stevenson student and your participation so that we can continue to meet student needs. Your response is anonymous and will guide school improvement efforts of school leaders.

\* Required

I feel like people at Stevenson understand me as a person. \*

- People at Stevenson completely understand me as a person.
- People at Stevenson understand me quite a bit as a person.
- People at Stevenson understand me somewhat as a person.
- People at Stevenson understand me a little as a person.

# Research Questions

What degree of correlation, if any, exists between participation in school-sponsored activities and students' sense of belonging?

What degree of correlation, if any, exists between participation in school-sponsored activities and teacher-student relationships?

A simple line graph icon with a blue line and five data points, showing an overall upward trend. The line starts at the bottom left, goes up to the first point, down to the second, up to the third, down to the fourth, and up to the fifth point.

# Results

RQ1: There was a significant positive correlation between students' participation in school-sponsored activities and sense of belonging (four individual items and composite score).

RQ2: Participation in activities was not significantly related to teacher-student relationships.

# THANK YOU!

Greg Hroch  
5-Star Students



Debbie Beagle  
Vernon Hills  
High School



@VHStuActBeagle

Ted Goergen  
Adlai E. Stevenson  
High School



@ted\_goergen



# UNIQUE IDEAS

Gaming  
Tournaments

Unique Speaker  
Series

International Soccer  
Games

Dodgeball

Fashion Shows

Film Festivals

Schools Got Talent

Dance Lessons

Crazy Decathlon

Quiz Bowl

Science  
Competitions

Book Club

Cooking Classes

Garbage Art Show

Car Show

Sidewalk Chalk  
Gallery

Cook offs

Quidditch

Mini Plays

Tai Chi

# INTERVENTION TRACKING

- Examples: tutorial period, before/after school tutoring, office hours, etc.
- Track attendance, students can access data
- Individual teacher access
- Optionally check eligibility and send invitations



# POSITIVE BEHAVIORS



**5★** BEHAVIORS List [+ Add New](#)

[BEHAVIOR LIST](#) [BARCODES](#) [IMPORT OCCURRENCES](#)

- Clean Campus
- Helpfulness
- Kindness
- Organized
- Patience
- Ready
- Respect
- Responsible
- Safe
- School Leader
- School Spirit

BEHAVIORS Helpfulness 2016/2017

[RETURN TO BEHAVIORS](#) [REMOVE BEHAVIOR](#)

Edit behavior

[+ Add from list](#) [Add from IDs](#) [Import from file](#) [Import from scanner](#) [Remove all](#)

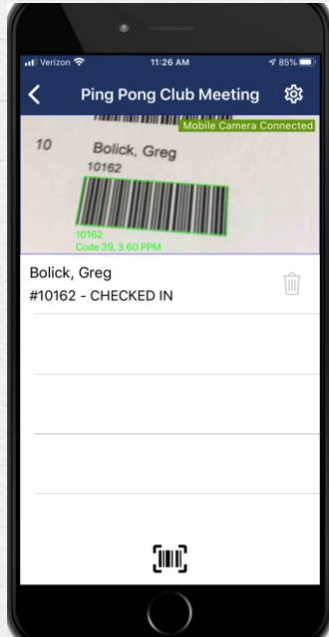
Type	Last name	First name	ID	Grade	Gender	Occurrences
▶ Student	Adell	Damian	10209	11	M	2
▶ Student	Aispuro	Lara	901233	12	F	1
▶ Student	Al shalabi	Daniel	1012344	11	M	1
▶ Student	Blackwelder	Peggy	10252	12	F	3
▶ Student	Blankenship	Caitlin	6790116	11	F	1
▶ Student	Bramhall	Guillermo	10011	10	M	1
▶ Student	Brauer	Ryan	8456781	12	M	1
▶ Student	Breston	Austin	10302	12	M	1
▶ Student	Brooks	Elyssa	9345669	12	F	1
▶ Student	Savas	Noelle	10165	11	F	1

10 items per page 1 - 10 of 10 individuals

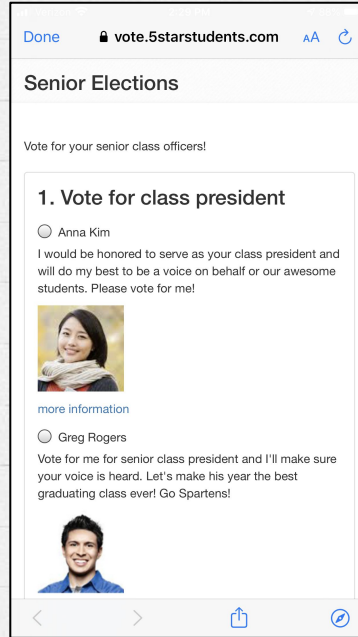


# TECHNOLOGY

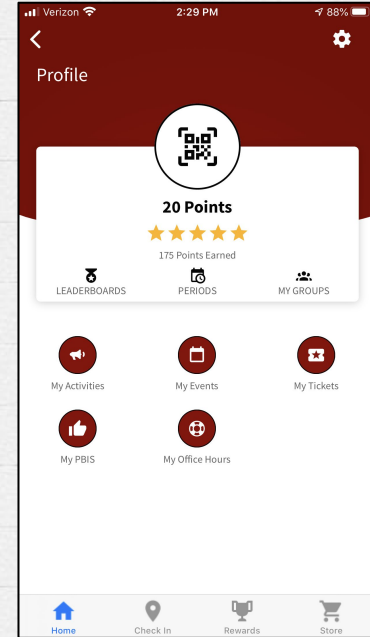
## Manager App



## Online Voting



## Student App



# THANK YOU!

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5-Star Students



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