


CEO Briefing
Putting the "A" in STEAM - 11/10/16


| First | Last Name | Company | Title | Phone | Email | | Invite Sent | RSVP |
|----------|----------------|------------------------|--|--------------------|--|--|-------------|------|
| Kathleen | van Bergen | Artis - Naples | CEO and President | 239-254-2601 | kvanbergen@artisnaples.org | | Yes | YES |
| Bonnie | Thayer | Artis - Naples | Director of Education and Community Partnerships | 239-254-2643 | bthayer@artisnaples.org | | Yes | YES |
| Aimee | Schleher | Naples Art Association | CEO/Executive Director | 239-262-6517 x 120 | Aimee.Schleher@naplesart.org | | Yes | YES |
| Judy | Evans | Music Scores | | 239-293-1259 | jpeotch@centurylink.net | | Yes | YES |
| Dave | Elliot | | Radio Talk Show Host | 430-2428 | fmtalker@me.com | | Yes | YES |
| Cathy | Albergo, Ed.D. | FGCU | Director of Bower School of Music & the Arts | 239-590-7374 | calbergo@fgcu.edu | | Yes | YES |
| Laura | Burns | United Arts Council | Executive Director | 239-254-8242 | lburns@uaccollier.org | | Yes | YES |
| Todd | Handley | Cadence Music | Manager/Instrument repair technician | 239-275-6262 | todd@cadencemusic.com | | Yes | YES |
| Hillary | Shore | Full STEAM Academy | | | info@fullsteamaheadFL.com | | Yes | YES |
| Ryan | Shore | Full STEAM Academy | | | | | | YES |
| Steve | DeLaurante | North Naples Church | Director of Music & Worship Arts | 239-593-7600 x 209 | steved@numc.org | | Yes | YES |



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CEO Briefing Putting the “A” in STEAM

November 10, 2016
Kamela Patton, Ph.D., Superintendent



Vision

That all students will complete school prepared for ongoing learning as well as community and global responsibilities.

Mission

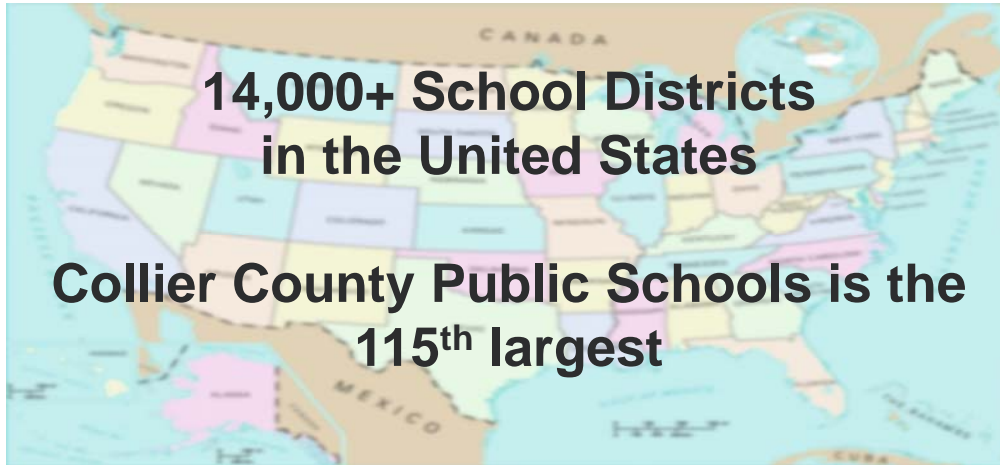
To provide exceptional educational opportunities that motivate and engage each student.

2 *Today's Learners - Tomorrow's Leaders*



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Scope and Size

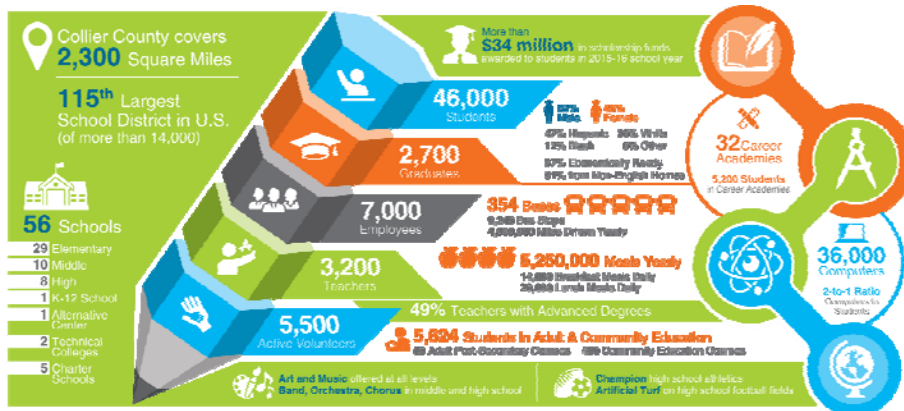


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FAST FACTS about Collier County Public Schools



2017-2019 Strategic Plan



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GOAL #3



SCIENCE TECHNOLOGY ENGINEERING
ARTS MATHEMATICS

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STEM VS. STEAM

WHY HALF IS NOT ENOUGH

Where Do You Stand?

CENTER BRAIN
(CORPUS CALLOSUM)

MAIN FUNCTIONS: Advanced Abilities
Realization and Ability to Correct Errors

BOTH SIDES OF THE BRAIN DETERMINE: Personality Traits
Personal Abilities

LEFT MAIN FUNCTIONS:

- Controls Muscles on Right Side of Body
- Controls Language
- Math
- Logic
- Speech
- Analytical
- Intellectual

TEACHING STYLE
Verbal Instructions
Talking and Writing
Multiple Choice Tests

RIGHT MAIN FUNCTIONS:

- Controls Muscles on Left Side of Body
- Spatial abilities
- Facial recognition
- Visual Imagery
- Art/Music
- Emotion
- Creativity

TEACHING STYLE
Demonstrated Instructions
Drawing and Manipulating Objects
Prefer's Open Ended Questions

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STEAM Competitions - Districtwide

- **2nd Grade – Ozobot School Challenge**
- **3rd Grade – Laser Maze School Challenge**
- **4th Grade – littleBits School Challenge**
- **5th Grade – LEGO Mindstorms Robotics School Challenge**
- **6th Grade – Solar Car School Challenge**
- **7th Grade – Digital Design Challenge**
- **8th Grade – TBA**
- **9th Grade – Geocaching School Challenge**
- **High School – VEX Robotics**

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Goal 3: STEAM

Overview

Key Performance Indicators

- Increase STEAM challenges related to three secondary courses
- Provide opportunities for students to participate in Project Lead the Way (PLTW) curriculum in all middle schools
- Provide uniform opportunities for students to participate in the Passport to FAME initiative at all schools

Goal #3

STEM + ART = STEAM

- STEAM Conference
- STEAM Competition
- Superintendent's Art Gallery
- Rookery Bay Art Show
- Marine Science Red Carpet Films
- STEAM Industry Certification



Goal #3

Passport for FAME (Focus on Arts and Music Education)

- CASTLE (Collier Area Steam Teaching and Learning Environment) Advisory Group
- Develop plan introducing Passport to FAME to students
- Enhance curriculum maps
- Provide professional learning
- Provide training for community partners
- Develop plan for CCPS STEAM field trips
- Create a template for reflection

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CCPS Arts Program

- 100% of students participate in art and music in elementary school
- Just over 50% of secondary students participate in a performing or visual arts program
- Many secondary school music groups are rated Superior at District and State festivals
- Visual arts students create artwork displayed in local and state juried competitions and scholarship programs
- All 3rd, 4th, 5th, and 7th grade students attend world-class performances as part of our Kennedy Center endorsed community partnership with Artis-Naples
- Grade level field trips in the arts

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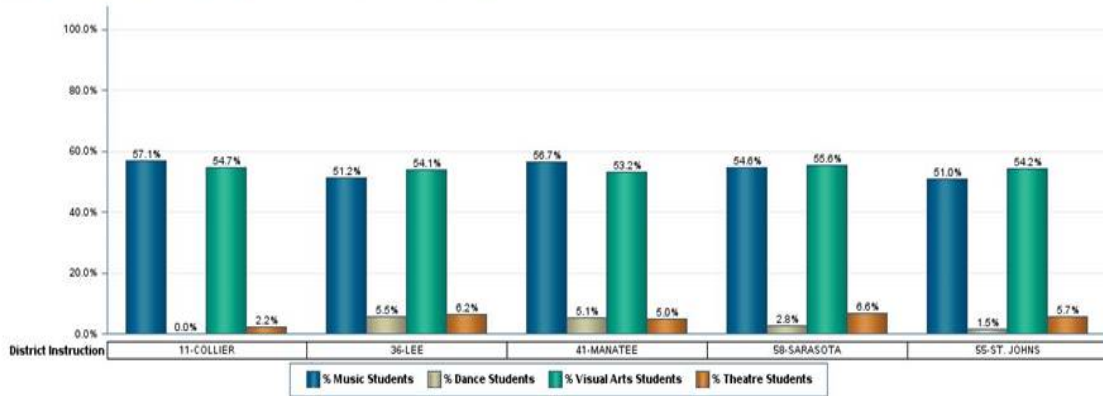
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CCPS Arts Program

Fine Arts Students of Total Students by Discipline

Applied filters: District Instruction equal to 11-COLLIER, 36-LEE, 41-MANATEE, 58-SARASOTA, 55-ST. JOHNS



DISCUSSION TOPICS

What ways can you see the arts being incorporated into STEAM?

DISCUSSION TOPICS

In what ways could local art organizations add STEAM to their programs?

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DISCUSSION TOPICS

**Ideas for STEAM challenge
for a High School fine arts course?**



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DISCUSSION TOPICS

**In regards to the Passport to FAME program
what other careers in the Arts
could students experience
while on regularly scheduled field trips?**

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