

PAGE 7

PAGE 1

PAGE 8

PAGE 2

PAGE 9

PAGE 3

PAGE 10

PAGE 4

PAGE 11

PAGE 5

PAGE 12

PAGE 6

A YEAR IN STEAM 2020-2021

SUMMER M. BLACKMON

TABLE OF CONTENTS

Our Mission.....3

Purposeful PD's.....4

STEAM(Y) Partnerships.....6

STEAM Experiences.....7

On the Horizon.....9



PAGE 1

PAGE 7

PAGE 2

PAGE 8

PAGE 3

PAGE 9

PAGE 4

PAGE 10

PAGE 5

PAGE 11

PAGE 6

PAGE 12

Our Mission

THE MISSION OF CENTENNIAL ACADEMY IS TO PROVIDE EDUCATIONAL EQUITY THROUGH A RIGOROUS STEAM CURRICULUM TO ALL OF ITS SCHOLARS.

PAGE 7

PAGE 1

PAGE 8

PAGE 2

PAGE 9

PAGE 3

PAGE 10

PAGE 4

PAGE 11

PAGE 5

PAGE 12

PAGE 6

Purposeful PD's

Semester 1

PBL Overview:
Pre-Planning, August
30th

Driving Questions v.
Essential Questions PD
Experience: K-8,
September 18th -19th

STEAM: Integrating
Standards Overview
(Professional Learning
Day, K-8, September 4th

STEAMY Start-ups PD
Experience,
STEAM-based start-ups:
K-8, October 1st -2nd

Quarter 2 PBL
Planning Meeting,
October 22nd-23rd

Project Management
Meeting, November
12th-13th

PBL Need to Knows and
Planning Tool Session:
Preplanning (k-8) January
6th

PAGE 1

PAGE 7

PAGE 2

PAGE 8

PAGE 3

PAGE 9

PAGE 4

PAGE 10

PAGE 5

PAGE 11

PAGE 6

PAGE 12



Purposeful PD's

Semester 2

STEAM(Y) PBL
Session #1
PBL Gold Standard

STEAM(Y) PBL
Session #2
PBL Gold Standard

STEAM(Y) PBL
Session #3
Science Focus and
PBL Gold Standard

STEAM(Y) PBL
Session #4
Technology Focus
and PBL Gold
Standard

STEAM(Y) PBL
Session #5
Engineering Focus
and PBL Gold
Standard

STEAM(Y) PBL
Session #6
Arts Focus and PBL
Gold Standard

STEAM(Y) PBL
Session #7
Math Focus and PBL
Gold Standard



PAGE 1

PAGE 7

PAGE 2

PAGE 8

PAGE 3

PAGE 9

PAGE 4

PAGE 10

PAGE 5

PAGE 11

PAGE 6

PAGE 12

Partnerships

Georgia Tech

4th grade scholars joined the aerospace dynamics team at Georgia Tech to participate in a glider engineering design project. Scholars engaged in understanding measurement with area and perimeter as well as fraction concepts to design and build an engineless glider that would be beneficial in future earth conservation efforts.

Trust for Public Land

5th and 6th grade scholars became young urban planners and landscape architects as they began the first phase of designing a schoolyard for scholars and community members.

The Children's Museum

2nd grade scholars engaged weekly with Cellist Okorie Johnson in an artist residency project with the Georgia Council of Arts and the Children's Museum. Scholar work was showcased at the museum.

PAGE 1

PAGE 7

PAGE 2

PAGE 8

PAGE 3

PAGE 9

PAGE 4

PAGE 10

PAGE 5

PAGE 11

PAGE 6

PAGE 12

Scholar STEAM Experiences

Alliance
Theatre
w/
Georgia
Natural
Gas

Mercedes
-Benz
Dome
STEAM
Tour

Center
for
Puppetry
Arts

The
Michael
C. Carlos
Museum

Georgia
State
Dept. of
Public
Health

K-12
InVenture
Challenge

GoSTEAM
Innovators
in
Residence

Earsketch
workshop
w/
CEISMIC

PAGE 1

PAGE 7

PAGE 2

PAGE 8

PAGE 3

PAGE 9

PAGE 4

PAGE 10

PAGE 5

PAGE 11

PAGE 6

PAGE 12

**National
STEAM
Day**

**ArtsNow
Teacher
Leader
Cohort**

STEAM Experiences

**Virtual
iCurate for
PBL
Showcase**

PAGE 1

PAGE 7

PAGE 2

PAGE 8

PAGE 3

PAGE 9

PAGE 4

PAGE 10

PAGE 5

PAGE 11

PAGE 6

PAGE 12

PAGE 7

PAGE 1

PAGE 8

PAGE 2

PAGE 9

PAGE 3

PAGE 10

PAGE 4

PAGE 11

PAGE 5

PAGE 12

PAGE 6

**On the
Horizon...**

Partnership with
Black Girls Dive
and the
Georgia
Aquarium
Fall 2021

GoSTEAM
Teacher
Cohort with
Georgia
Tech
K-8

On the Horizon

Target Goal for
STEAM Certification
Spring 2022

PAGE 1

PAGE 7

PAGE 2

PAGE 8

PAGE 3

PAGE 9

PAGE 4

PAGE 10

PAGE 5

PAGE 11

PAGE 6

PAGE 12

STEAM Career Spotlight

Weekly focus on careers in Science, Technology, Engineering, Arts, and Math. LPs to be created similar to CREW.

3rd-8th scholars embark upon the world of gaming through technology, coding and fun!

E-Sports Club

STEAM Journals

School-wide STEAM journals to encourage scholars to experience STEAM across multiple content areas.

PAGE 1

PAGE 7

PAGE 2

PAGE 8

PAGE 3

PAGE 9

PAGE 4

PAGE 10

PAGE 5

PAGE 11

PAGE 6

PAGE 12