Full STEAM Ahead!

Alissa Abercrombie, Director of Curriculum
Shelley Bolton, Grade School Art
Mary Cheairs, Engineering Lab
Meghean Warner, Early Childhood Art
CMDS at a glance...

*Co-ed, independent, Christian elementary school
*Located in the center of Memphis, TN
*475 students in 2K-6th grade
*Founded in 1958
How it all began...

In the spring of 2014, 6 CMDS faculty members traveled to the National Science Teachers Association conference in Boston.

Session after session focused on STEM. However, after much discussion, we wanted to incorporate our amazing art program into the equation... and our STEAM initiative was born.
Timeline

Spring 2014 – Attended NSTA conference and began the STEAM Initiative by presenting the STEAM idea to all faculty members and making this a priority focus for our school.

Fall 2014 – Added engineering practices into our Science Lab Encore time, STEAM Encore teachers plan projects together and classroom teachers completed one STEAM project each quarter.

Spring 2015 – Brainstormed the idea of creating an Engineering Lab (E-Lab) for our 1st-6th graders and a Discovery Lab for our 2K-SK students. This became the foundation for our Spirit Fund focus.

Fall 2015 – Attended another NSTA conference, purchased STEAM manipulatives and kits for classroom teachers, Encore teachers continued to plan integrated projects and Core Knowledge Language Arts was adopted as a new curriculum.
Timeline

Spring 2016 – Two faculty members attended NSTA conference in Nashville, four faculty members attended NAEA conference in Chicago, FUSE curriculum was discovered in Chicago, renderings of the new Art rooms (GS/EC), Engineering Lab and Discovery Lab were presented to faculty members and parents.

Summer 2016 – Construction began on the new STEAM spaces.

Fall 2016 – Construction completed. STEAM Initiative is on-going, every CMDS student is immersed in this curriculum and method of teaching. Also, Math Lab is added as an additional Encore class.

Spring 2017 – Four faculty members attend NAEA conference to present on the past 3 years of hard work, dedication and change.
Encore Classes

• Early Childhood 2K-SK
  – Computer
  – Discovery Lab
  – Art
  – Global Preschool Studies
  – Library
  – Music
  – PE
  – Bible (SK)
  – Math Lab (SK)

• Grade School 1\textsuperscript{st}-6\textsuperscript{th}
  – Computer
  – Engineering Lab
  – Art
  – Spanish
  – Library
  – Music
  – PE
  – Bible
  – Math Lab
  – Leadership (3\textsuperscript{rd}-6\textsuperscript{th})
Grade School Art
Early Childhood Art
Engineering Lab
Discovery Lab
Early Childhood Projects

• 2K Drip Art
Early Childhood Projects

• PK Balloon Art
Early Childhood Projects

• PK Dinosaurs
Early Childhood Projects

- JK Family Portrait
- JK Pointillism Houses
Early Childhood Projects

- JK Fingerprint Art
- SK Self Portrait
Early Childhood Projects

• SK Abstract Painting
Grade School Projects

1st Presidents
Grade School Projects

1st Bridges
Michael

I love the zoo!

Walking in Memphis, Greer
Reid: I love 901

I love Memphis, Dorothy

Frank: This city is amazing.
Grade School Projects

• 2\textsuperscript{nd} Column Study
Grade School Projects

• 2nd Insects
Grade School Projects

- 3rd Animal Adaptations
Grade School Projects

- 4\textsuperscript{th} Clay House Design
Grade School Projects

• 5th Paint-a-Palooza
Grade School Projects

- 6th Portraits
Grade School Projects
FUSE Curriculum

https://www.fusestudio.net/
School-Wide Memphis Unit
School-Wide Olympic Unit
Questions?

Thanks for coming!

www.cmdsmemphis.org