

Booker T. Washington STEM Academy

Think Tank's reasons for choosing to visit this school.

- Staff specially trained in STEM instruction
- Integrated curriculum focusing on the STEM components
- Inquiry based learning promoting high student engagement
- A new building designed specifically for STEM instruction
- Student practice in real world problem solving, making and investigating mathematical questions.
- Student engagement in the analytical process and problem-solving found in the world of engineering and in technology.
- Student opportunities to produce multimedia presentations that utilize state-of-the-art technology.
- Strong partnership with the University of Illinois

Champaign Elementary School Wins Top Award for School Architecture

Booker T. Washington STEM Academy was recently named the top entry for kindergarten through 12th-grade schools in the **2012 American School and University Architectural Portfolio**.

The school won the portfolio's top architecture award, the **William W. Caudill Citation**.

It was awarded **LEED Certified Gold status** earlier this year. It's a choice magnet school that focuses on science, engineering, technology and mathematics. (STEM)



It is the tension between
creativity and skepticism
that has produced the stunning and
unexpected findings in science





STEM Lab from 2nd floor



STEM Lab

unexpected findings in...

STEM Lab





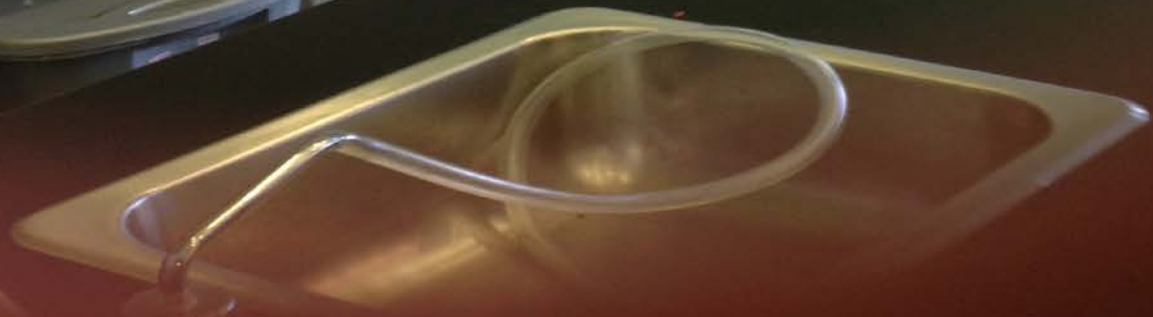
STEM Lab



Adopt a fish?
Get used to your fish by sticking
the stick with it on.

FIELD GUIDES

DESCRIPTORS





unexpected

STEM Lab

STEM Garden





**Rain
Barrel**

**STEM
Garden**



In TheSTEM Lab

Be

Respectful

Keep your work area and the STEM Lab *clean*

Ask permission before touching *anything*

Handle *all* plants and animals with care/respect

Perform *authorized* and *approved* experiments

Be

Responsible

Conduct yourself in a responsible manner

Keep materials *away* from your mouth and eyes

Report any accident *immediately*

Be

Ready

Wear safety goggles when instructed

Follow written and verbal instructions *carefully*

Keep hands *away* from face, eyes, and mouth

Reading

We can circle the initial sound in a word, and put the animal pictures in alphabetical order.

Writing

I can compare and illustrate a story about a career I want to have when I grow up.

When I dream I wish to be a painter.

Math

We can sketch a picture to represent even and odd numbers

STEM

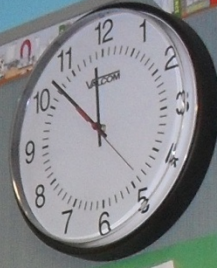


We can brainstorm ideas of what a scientist is.

What are the essential needs of a plant?

We can diagram and label the parts of a plant.

STEM



Math

Reading

Writing

HOW ILLUSTRATE AND
DESCRIBE BY SHORT AND
LONG TERM GOALS

A large bulletin board display for a STEM project. The board is decorated with a colorful border of small images. It features several sections: 'Reading' with yellow sticky notes and printed text; 'Math' with yellow sticky notes and a red fire alarm pull station; and 'Writing' with printed text and student work. The right side of the board is dedicated to student drawings of insects and plants, mounted on green paper. A clock is mounted in the upper right corner.

Reading

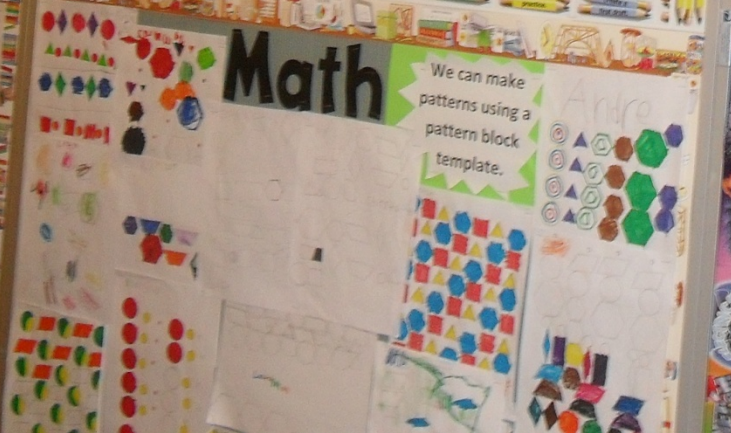


Writing



We can think of an animal that reminds us of ourselves.

Math



We can make patterns using a pattern block template.

STEM



We know that technology improves how we live.

feared,
understood.
understand more,
far less.

Science can be one of the ways,
like music, poetry, painting
in which man discovers spiritual limitations
learns to put down his vanity and selfishness,
makes himself and his fellow
into higher rather than lower
forms of life.

Robert Emerson

Nothing in life is to be feared,
it is only to be understood.
Now is the time to understand more,
so that we may fear less.

Sci

Marie Curie

3rd Grade can describe ourselves as a book character.

The image shows a grid of approximately 20 'Getting Into Character Map' worksheets. Each worksheet features a simple stick figure with arms and legs extended, intended for students to draw themselves as a character. The worksheets are arranged in several rows and columns, with some overlapping. The text 'Getting Into Character Map' is visible at the top of each sheet. The figures are drawn in various colors and poses, representing different characters.

in which n
learns to put

I have learned that success is to be measured
not so much by the position that one has
reached in life as by the obstacles which he
has overcome while trying to succeed

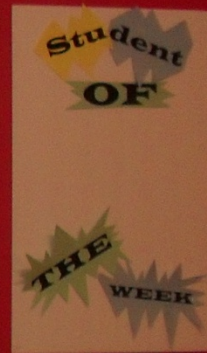
Booker T Washing

confirms my
y: gives birth
n.

Ellison

A person who
never made a
mistake
never tried
anything new.

Albert Einstein



place it

Archimedes

$$\sin a/A = \sin b/B = \sin c/C$$
$$a^2 + b^2 = c^2$$



EXIT

EXIT



Give me a lever long enough

and a fulcrum on which to place it

and I shall move the world.

Archimedes



EXIT

EQUILATERAL

a



$$A = \frac{1}{2}bh$$

b

90°



70°

60°

18m

17m

16m

15m





ART LAB



Critique Center

Are you done?
Take the 6-foot test

Student Gallery

Elements of Art
These are the pieces that go together to make Art.

Principles of Art
These are the pieces that go together to make Art.

- Line
- Shape
- Color
- Form
- Value
- Space
- Texture

Becker 7
In my classroom

Be Respectful	Listen to your teacher and classmates. Look and work with others. Keep desks, feet, and chairs where they belong.
Be Responsible	Follow classroom procedures. Use your seat work.
Be Ready	Be ready to participate when the teacher asks questions. Be ready to work.

Level Zero
Silence

ART LAB



Elements of Art
Principles of Art

- Line
- Shape
- Color
- Form
- Value
- Space
- Texture
- Pattern

Principles of Art

- Emphasis
- Balance
- Contrast
- Unity
- Rhythm
- Proportion

MIP CLASSROOM

Words

Challenge your Mind... READ!

IMAGINE

Aa Bb Cc Dd

COURAGE

COMPASSION

We Are Family!

Happy Birthday!





Welcome

Old Macdonald had a farm

The Mulberry Bush

The Farmer in the Dell

WELCOME TO MUSIC!

Music

Links

Booker T. Washington STEM Academy

<http://unit4magnets.org/booker-t-washington-stem-academy/>

The News Gazette [http://www.news-](http://www.news-gazette.com/news/education/2012-09-12/champaign-elementary-school-wins-top-award-school-architecture.html)

[gazette.com/news/education/2012-09-12/champaign-elementary-school-wins-top-award-school-architecture.html](http://www.news-gazette.com/news/education/2012-09-12/champaign-elementary-school-wins-top-award-school-architecture.html)