

Bitric Biography and Programs

Biography

BITRIC is a grassroots education organization who is seeking to join an educational network to learn best practices on implementation and curriculum effectiveness. Our curriculum is a child centered play based Concrete Pictorial Abstract program and differs tremendously from the rote memorization strategies familiar to most parents and educators here in America. We would like to share our knowledge and expertise in an environment where we can collect data on its effectiveness in a classroom setting.

1. The founders of BITRIC® educated their own children in DC public Schools and Charter schools
2. 2011 moved to Florida and enrolled their children in Spanish Lake Bilingual School
3. Withdrew children and began homeschooling because of Florida's race based academic expectations roll out.
4. Began to research the best international math programs to homeschool their children
5. Identified culturally relevant curriculum had the highest outcomes in performance globally (Singapore Math) (Chinese / Japanese Abacus)
6. Researched the cultural origins of mathematics (Ethnomathematics) and began to compile findings into functional curriculum
7. Implemented curriculum with their own children
8. Provided free educational workshops within their homeschool network and local community.
 - a. Traveled to Africa to research African numeracy systems
 - b. Provided an educational workshop in (?) Township South Africa
 - c. Provided a 2 day workshop at the University of Kwazulu Natal Center of Indigenous Knowledge System South Africa
 - d. Researched the cultural implementation of mathematics through board games in Lusaka South Africa.
 - e. Discovered the board game known as mancala is commonly played in varying ways throughout the entire continent of Africa
 - f. Discovered the Mancala board games serve a dual purpose as a manual calculator.
 - g. Developed a numeracy program to reimplement its use as the AFRICAN ABACUS™.
9. Official incorporated as a non profit organization AFRICAN LEARNERS
10. Recently completed their first year of providing online classes to homeschoolers
11. Providing instructional support to a local parent who is now using the curriculum methods she learned in our online class to teach her nieces in North Carolina online.

Bitric Programs

America has always been a multicultural country. Yet as a country we've historically practiced a one size fits all approach to education. The following are a list of educational programs designed to reduce and ultimately eliminate academic disparities in STEAM.

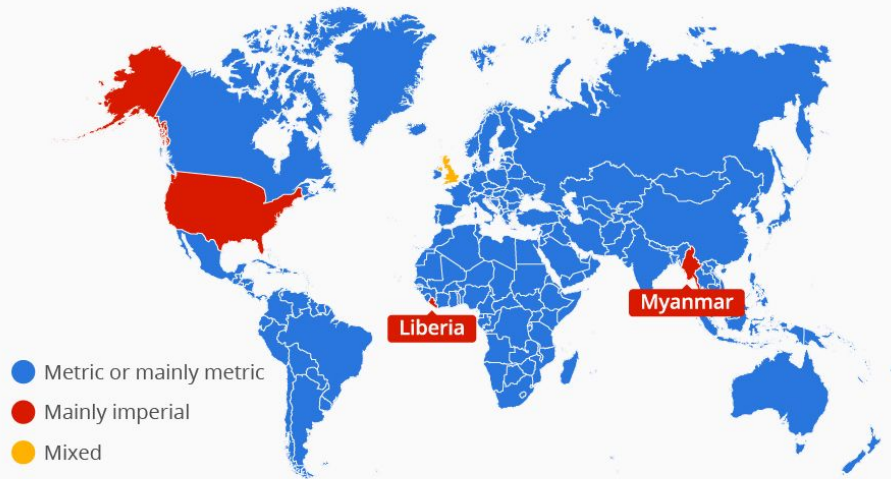
AMERICAN MATH international achievement gap

Recent international test surveys have revealed America's stagnant growth in the fields of science and mathematics compared to many of our international peers. Our organization refers to this disparity as "The International Achievement Gap". America is unique in that it is the only developed country on earth that has not adopted the metric system. This necessitates that Americans be multi numeral and learn both our domestic measurement system, as well as the metric system. The metric system is the primary measurement system used in international trade and scientific research. AMERICAN MATH is a multi numeral a math curriculum devoted to the research and development of the US Customary System. AMERICAN MATH is also targeted towards the construction industry and domestic occupations requiring the use of the US Customary measurement system commonly referred to as the British Imperial System. Early introduction to AMERICAN MATH will give learners greater exposure, preparedness and proficiency in the fields of Architecture, Engineering, Computer Science and Artificial Intelligence.

<https://edsource.org/2019/u-s-math-scores-remain-flat-on-international-test-of-15-year-olds/620711>

Where in the World Do People Use Metric and Imperial?

Countries which used the metric or the imperial system for measurements in 2019

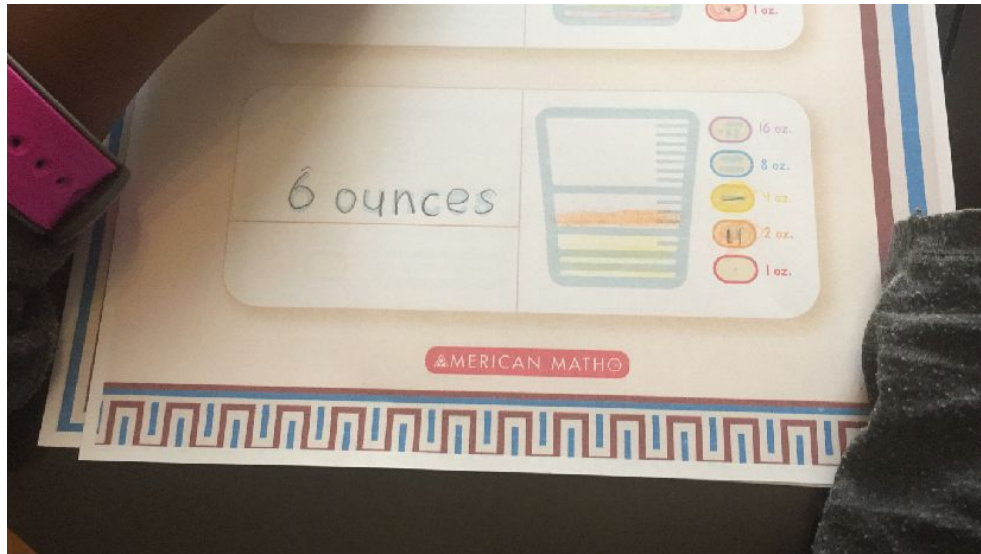


@StatistaCharts

In Canada, Australia, India and some other former Commonwealth countries vital statistics, living and commercial spaces, oven temperatures and recipe measurements might still be imperial.

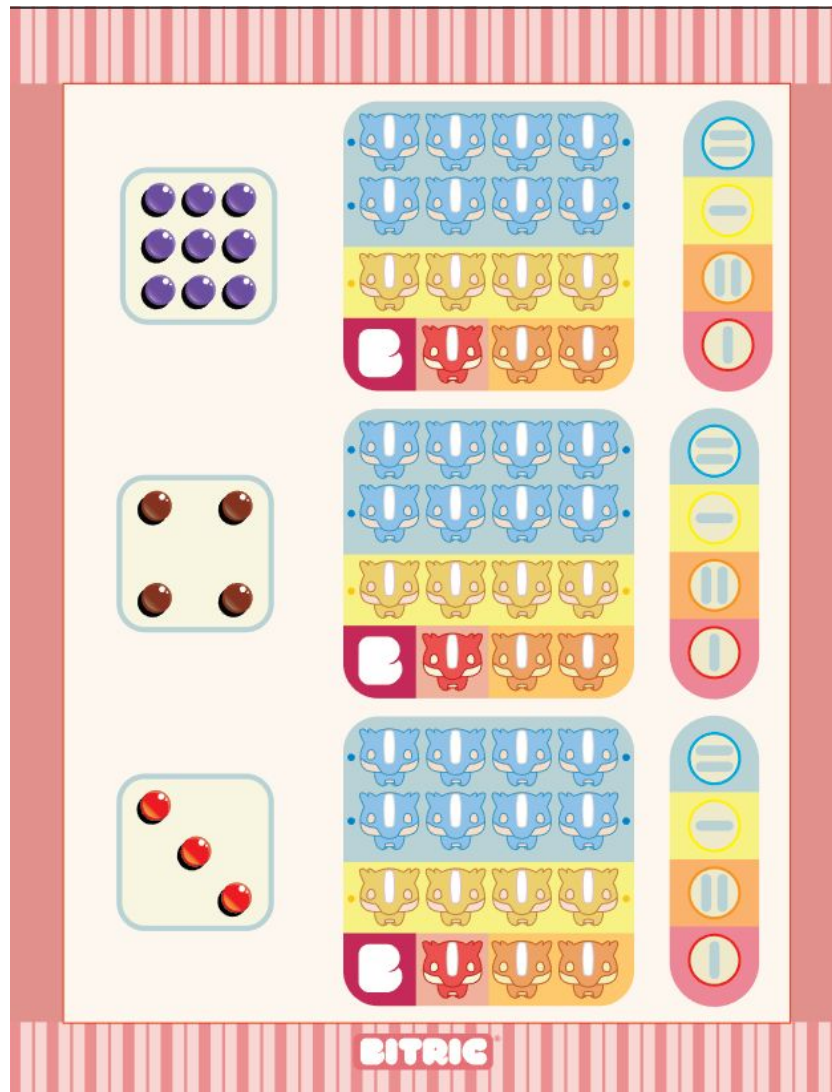
Sources: U.S. Metric Association, Metric Pioneer, Metric Views, Trip Advisor

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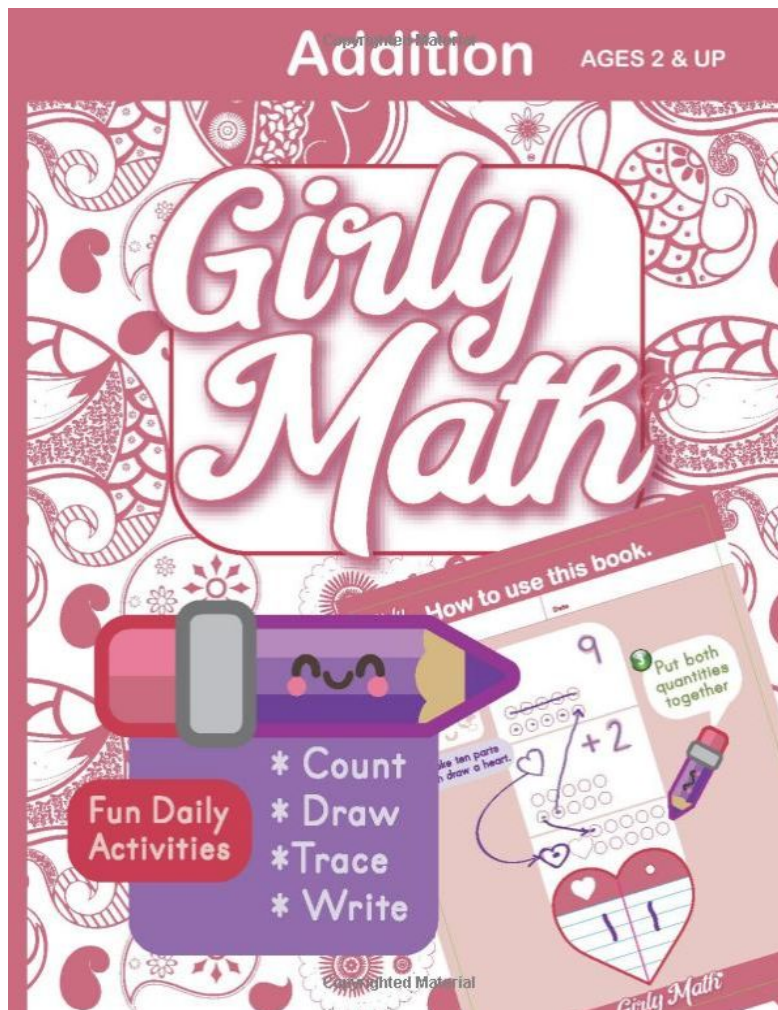
BITRIC® binary measurement system Math of the Information Age

BITRIC® is a binary measurement system organized to research and educate the public in the use of binary mathematics, calculations, computer science, weights and measures, and other branches of pure and applied science. The BITRIC® binary measurement system has been designed to complement the base 10 metric system.





GIRLY MATH - gender gap

GIRLY MATH is a math curriculum devoted to eliminating the gender gap by eradicating the “Math is for boys.” stereotype. Corporate marketing and advertising contribute towards defining gender roles. Toy manufacturers, cosmetic companies and fashion brands build products and services to attract a feminine buyer. We believe it is time for curriculum providers to do the same. GIRLY MATH is designed to provide educational math materials to learners who prefer feminine learning experience and environments.



MAYAN MATH - achievement gap

The MAYAN MATH program is designed to revive the ancient math system practiced by the indigenous Aztec and Mayan people of The America's.

	
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AFRICAN MATH - achievement gap

AFRICAN MATH is a modern math curriculum based on ancient African numeracy and indigenous knowledge systems. AFRICAN MATH was used to build the infrastructure of the United States and its origins can be traced to advanced ancient African Civilizations.

