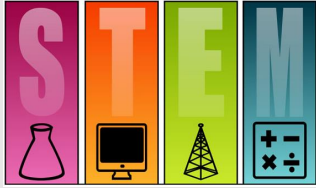
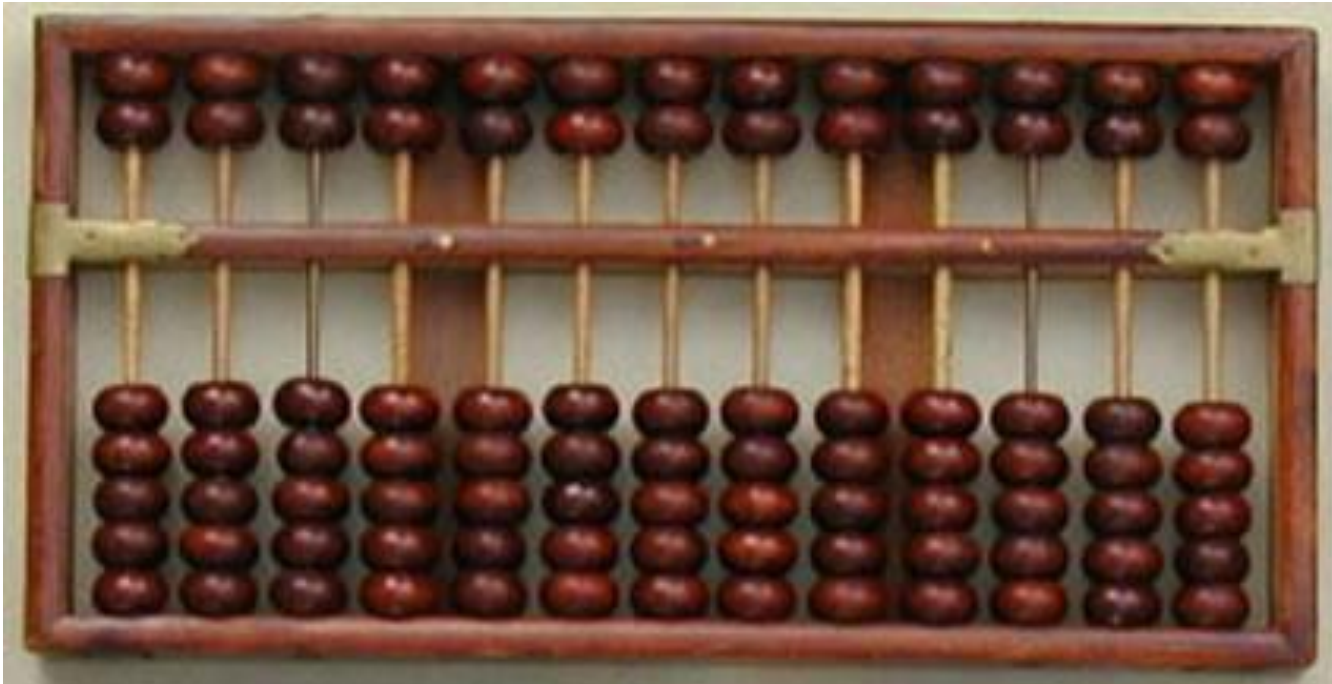


OBRAZOVANJE (U HRVATSKOJ ?)



- **Science,**
 - **Technology,**
 - **Engineering**
 - **Mathematics**
-
- **Prioritetne grane američkog obrazovnog sustava uključene u STEM:**
 - Physics, actuarial science, chemistry, biology, mathematics, applied mathematics, statistics, computer science, computational science, psychology, biochemistry, robotics, computer engineering, electrical engineering, electronics, mechanical engineering, industrial engineering, information science, civil engineering, aerospace engineering, chemical engineering, astrophysics, astronomy, optics, nanotechnology, nuclear physics, mathematical biology, operations research, neurobiology, biomechanics, bioinformatics, acoustical engineering, geographic information systems, atmospheric sciences, educational/instructional technology, software engineering, and educational research.

Open source alati



- Prikladni različitim dobnim skupinama
- Uklopivi u postojeća rješenja (platforme)
- Izbor mogućnosti: zadrži i/ili ostavi

- Gotovi kitovi
- Postojeće upute
- Softversko okruženje
- Dodatne mehaničke komponente
- Dodatni elektronički moduli
 - Senzori
 - Komunikacijski moduli (povezivanje/upravljanje na daljinu)
 - Ulazno/izlazni uređaji

Gotovi paketi (kitovi)



Starter



XY Plotter



Ultimate 2.0



mElephant



Music Kit



Mecanum Wheel Rob...

- Razlikuju se po mogućnostima i snazi upravljačkog modula
- Orije tirani su na različita STEM područja

Dodatne komponente (elektroničke)

- Upravljački moduli



Main Control Boards



Makeblock Orion



mCore – Main Cont...



MegaPi



Me Auriga

- Senzori



Me Ultrasonic Sensor



Me Line Follower



Me Light Sensor



Me Temperature S...



Me 3-Axis Accelero...

- Komunikacijski moduli



Me Bluetooth Modu...



Me WiFi Module



2.4G Wireless Seri...



Bluetooth Module f...



Me Infrared Receiv...

- I/O uređaji



Me 7-Segment Seri...



Me RGB LED



Me LED Matrix 8x16



Me TFT LCD Scree...



Me 4 Button



Me Joystick



Potentiometer

Gotova rješenja i ideje

- Zajednica hobista koja koristi iste module



FESB i STEM

The image displays the Arduino IDE interface. On the left, the 'ArduinoBlock' window shows a block-based sketch. A yellow 'Arduino' block is connected to a blue '7 Segment Display' block (PORT 4) and a blue 'Ultrasonic Sensor' block (PORT 3). The display shows the number '88'. On the right, the 'sketch_oct19a | Arduino 1.0.6' window shows the C++ code for the sketch. The code includes the `<Wire.h>` library, defines an `MeUltrasonicSensor` object for PORT_3 and a `Me7SegmentDisplay` object for PORT_4. The `setup()` function is empty, and the `loop()` function calls `sevseg4.display(ultraSensor3.distanceCm());` followed by a `delay(250);` statement. The status bar at the bottom indicates 'Done uploading' and 'Binary sketch size: 6,898 bytes (of a 32,256 byte maximum)'. The bottom right corner shows 'Arduino Uno on COM5'.

```
sketch_oct19a | Arduino 1.0.6
File Edit Sketch Tools Help

sketch_oct19a §
#include <Wire.h>

MeUltrasonicSensor ultraSensor3(PORT_3);
Me7SegmentDisplay sevseg4(PORT_4);

void setup()
{
}

void loop()
{
  sevseg4.display(ultraSensor3.distanceCm());
  delay(250);
}

Done uploading
Binary sketch size: 6,898 bytes (of a 32,256 byte maximum)
Arduino Uno on COM5
```