

Motivate. Engage. Learn.

**PowerUp** EDU



Making Science Relevant Featuring

# Labdisc

*It's time for something new!*



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<https://bit.ly/2pttw4Y>



$$K_{eq} = \frac{[H_2O]}{[H_2]^2 [O_2]}$$

$$\log_a \left( \frac{1}{x} \right)$$

$$v = \omega r \quad E_k = \frac{1}{2} m v^2$$

$$F = \frac{G m_1 m_2}{r^2}$$

$$\sin^2 + \cos^2 = 1$$



$$E = mc^2$$

The US needs 1 million more STEM professionals over the next decade than it is projected to produce at the current rate.

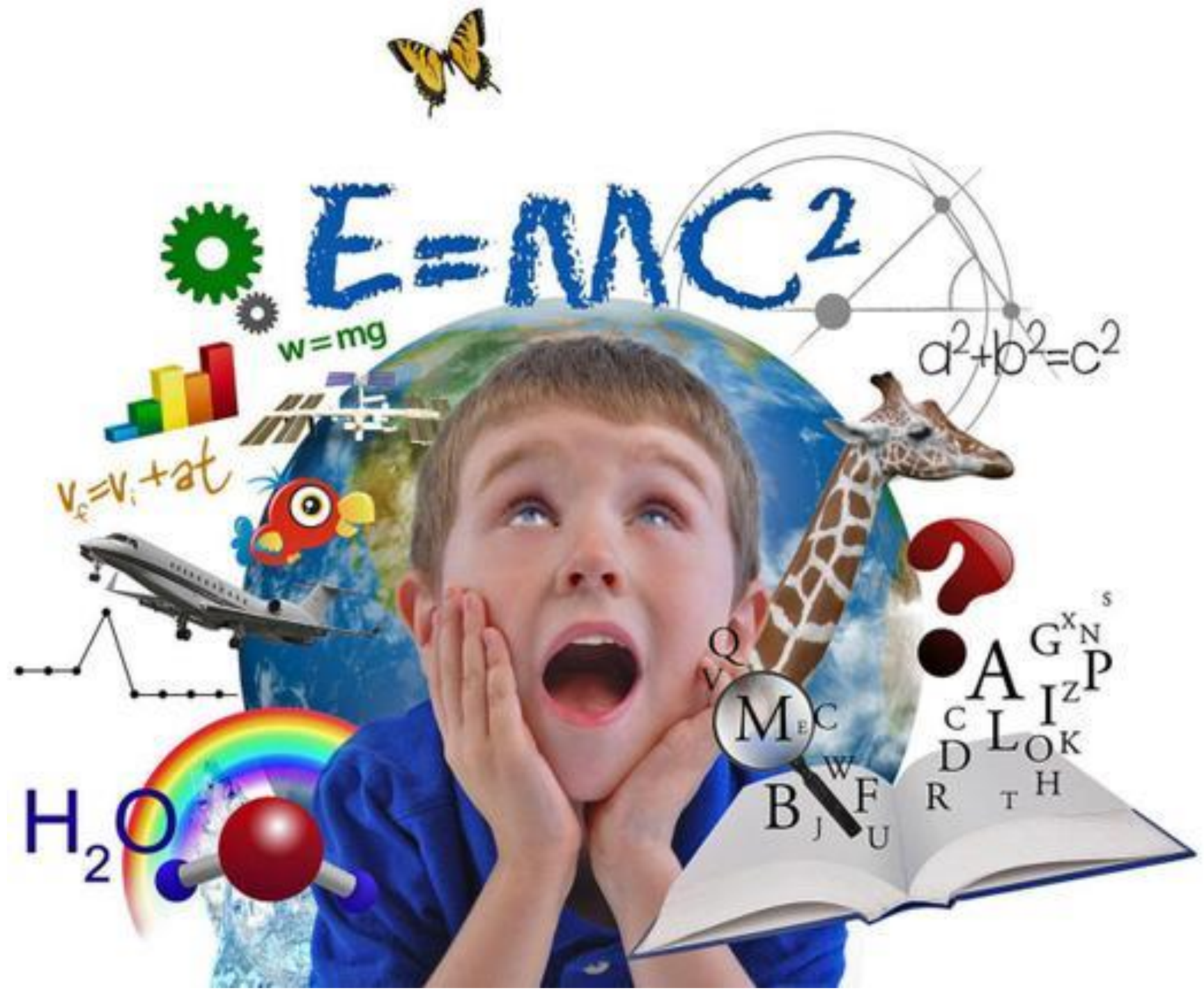


Where's the Time?

# The Challenge



# The Goal



**Make Data  
Collection  
Fun and  
Easy!**



# A Complete Lab on a Disc

General Science Unit



## Built-in Sensors

Air Pressure, Ambient Temperature, Current, Distance, GPS, Light, Microphone, pH, Relative Humidity, Sound Level, Temperature, Voltage, Universal Input

# Developing 21st Century Skill Set







Parallel Real Scientific Process

# Making Science Relevant



Software:  
PC, Mac and App for iOS and Android



# How Acidic are the Things We Drink?









Diet Soda

Regular Soda





# The Temperature Around Us



# What is Distance?



# Data Collection Made Fun!

