

When Slide Rules Ruled: A History & Primer in Use

Only everyday experience doing multiplication and division and using decimals is needed to enjoy this program

PROGRAM DESCRIPTION

Explore the Slide Rule's role in history's greatest engineering and scientific achievements, beginning with its invention in the 1600s and ending with its obsolescence in the 1970s. Then have the chance to learn to use the Slide Rule yourself to solve many mathematics problems and see how computing was done before the age of electricity and silicon.

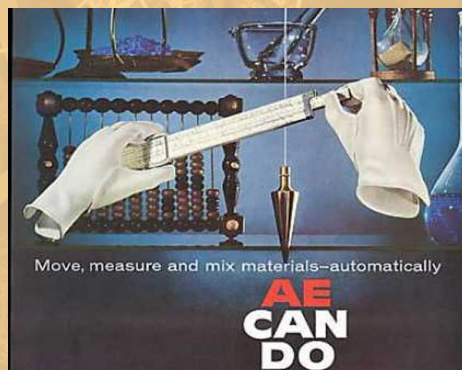
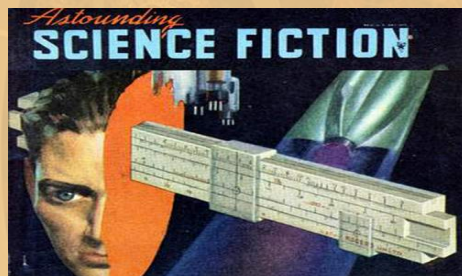
Visit STEMpunkED.com/Programs for more details

LOGISTICS, FEE & DELIVERY REQUIREMENTS

Duration: 2.5 hour interactive program | **Age Range:** 9/10-Adult | **Participants:** 4-30 | **Cost:** See Website | **Requirements:** Video Projector with HDMI port and speakers ; 1 large table for presenter ; tables with chairs for participants ; 1.0 hour setup and breakdown times ; additional travel charges may apply.

CORE TOPICS & GOALS

- ▲ Manipulate numbers in arithmetic, algebraic, geometric, and trigonometric functions by practicing the operations of a historical tool
- ▲ Explore different methods for visualizing relationships among mathematical concepts, operations, numbers, and number systems
- ▲ Carry out and explain new procedural practices with fluency and flexibly; gain an appreciation for the results of their careful application



CORE TOPICS & GOALS

- ▲ Calculate and express numerical answers with an appropriate degree of accuracy and precision for a problem's context and the tool's parameters
- ▲ Apply the mathematical capabilities of the Slide Rule to solve problems arising in everyday life, society, and the workplace
- ▲ Make connections between modern mathematical processes (electronic and manual) and the analog operations of the slide rule

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