

# Tektronix Educator's Resource Kit

## The go-to solution when preparing your electrical engineering lab curriculum

The Educator's Resource Kit will help you bring the latest techniques for test and measurement to your engineering lab curriculum. The comprehensive kit includes six different labs with accompanying instructor's guides, reference fact sheets for students and a basic oscilloscope concepts book, in addition to a training board to provide real-world signals during the labs.

### Educator's Resource Kit Includes

Six Laboratory Experiments	<ul style="list-style-type: none"><li>▪ Problem-based learning</li><li>▪ Hands-on using real-world signals</li><li>▪ Designed to match lab time; scale from 2-4 hours</li></ul>
Six Instructor's Guides	<ul style="list-style-type: none"><li>▪ One to support each experiment</li><li>▪ Answers to the exercises</li><li>▪ Helpful hints to perform the experiments</li></ul>
Six Reference Fact Sheets	<ul style="list-style-type: none"><li>▪ Designed for students</li><li>▪ Covers basic T&amp;M theory</li><li>▪ Reference tools for use during the lab</li></ul>
Basic Concepts Book	<ul style="list-style-type: none"><li>▪ Covers basic features and functions of the oscilloscope</li><li>▪ Attaches to the top of oscilloscope</li></ul>
Training Board	<ul style="list-style-type: none"><li>▪ Noisy sine wave</li><li>▪ Digital signal with common anomalies</li><li>▪ Parallel bus</li><li>▪ RS-232 serial bus</li></ul>

### Laboratory Experiment Topics

- Introduction to Oscilloscopes
- Introduction to Oscilloscope Probes
- Advanced Oscilloscope Features
- Introduction to Arbitrary/Function Generators
- Digital Debug with Oscilloscopes
- Parallel and Serial Bus Analysis



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