

ENGINEERING SCIENCE

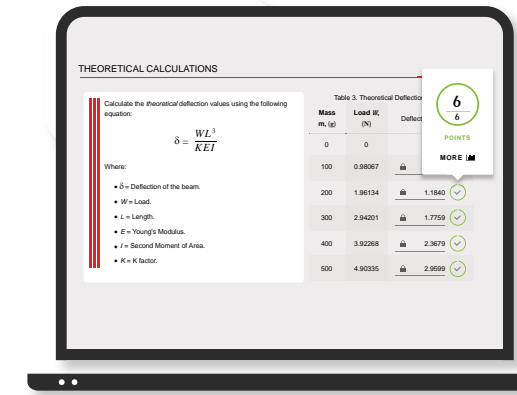


TEC EQUIPMENT

A modular system of 18 experiment kits and a work panel that addresses the fundamental principles of mechanical engineering.

SMART WORKSHEETS ESSW

Enhancing teaching capabilities and complementing students' learning with the use of ready-made, online and auto-graded assessments that are compatible with selected experiment kits.



FORCES AND MOMENTS

FORCES KIT ES2*
MOMENTS KIT ES3*

SIMPLE MACHINES

PULLEY KIT ES10
DRIVE SYSTEMS KIT ES11*
GEAR TRAINS KIT ES13*
CENTRIFUGAL FORCE KIT ES16

MECHANISMS

CAM, CRANK AND TOGGLE KIT ES12
SIMPLE MECHANISMS KIT ES14*
BAR LINKAGES KIT ES15
ADDITIONAL MECHANISMS KIT ES18

MATERIALS TESTING

DEFLECTION OF BEAMS AND CANTILEVERS KIT ES4*
TORSION OF CIRCULAR SECTIONS KIT ES5*
TENSILE TESTER KIT ES6*
SPRING TESTER KIT ES19

VIBRATION, FRICTION AND ENERGY

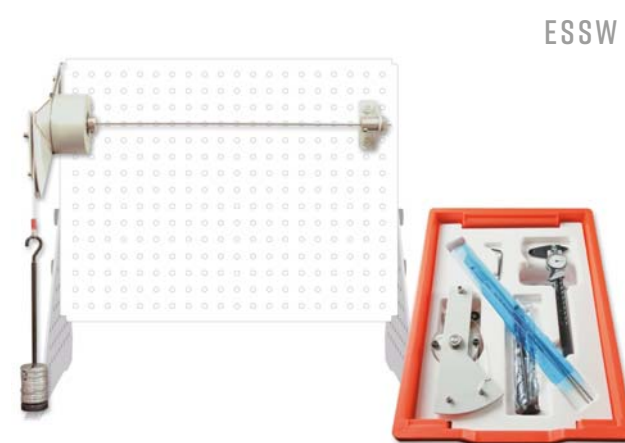
SIMPLE HARMONIC MOTION KIT ES7
FRICTION AND INCLINED PLANE KIT ES8
POTENTIAL AND KINETIC ENERGY KIT ES9
ROTATIONAL FRICTION KIT ES17

* SMART WORKSHEETS AVAILABLE

EXPERIMENT KITS:



FORCES ES2



TORSION OF CIRCULAR SECTIONS ES5



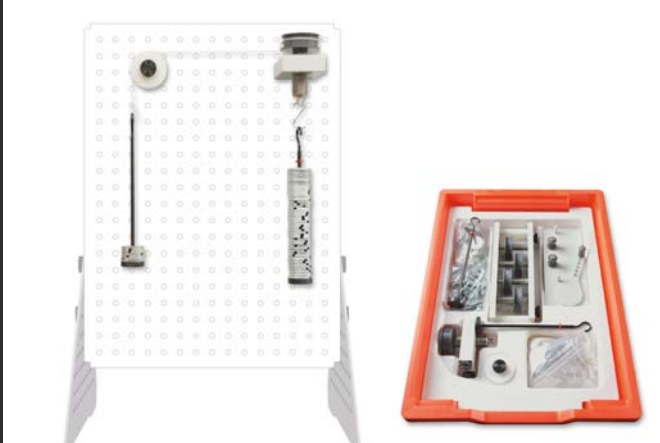
FRICTION AND INCLINED PLANE ES8



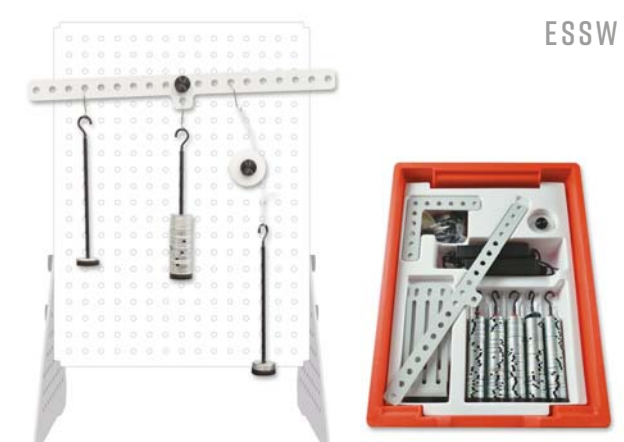
DRIVE SYSTEMS ES11



SIMPLE MECHANISMS ES14



ROTATIONAL FRICTION ES17



MOMENTS ES3



TENSILE TESTER ES6



POTENTIAL AND KINETIC ENERGY ES9



CAM, CRANK AND TOGGLE ES12



BAR LINKAGES ES15



ADDITIONAL MECHANISMS ES18



DEFLECTION OF BEAMS AND CANTILEVERS ES4



SIMPLE HARMONIC MOTION ES7



PULLEY ES10



GEAR TRAINS ES13



CENTRIFUGAL FORCE ES16



SPRING TESTER ES19

