

Science and Engineering Tools for Schools - **GEARS-IDS™**

GEARS-IDS™ Invention & Design System - Technology Education in a Box



DESIGN,
BUILD, TEST
& LEARN
WITH
GEARS-IDS™

Invest in the most complete system for your Robotics program!

THE GEARS-IDS™ ADVANTAGE

- ✦ Robust Stainless Steel and Aluminum structural components provide years of use.
- ✦ High-torque all metal gear head motors with 1/4" steel output shafts. No light-gauge metal or plastic.
- ✦ World-class pneumatics included.
- ✦ Precision-machined drive system components.
- ✦ Drive assembly parts include chain, sprockets, wheels, belts and axles.
- ✦ 12-volt sealed lead-acid battery and charger.
- ✦ Electronics package includes speed controllers, switches, wire, and connectors.
- ✦ Interfaces with Radio Controllers or Parallax BASIC® Stamp programmable microcontroller.
- ✦ Free On-line Projects and Curriculum resources help students learn math, science & engineering principles.
- ✦ All components neatly organized in a storage container for easy classroom management.

® BASIC Stamp is a registered trademark of Parallax, Inc.

Using GEARS-IDS™ every school can participate in engineering design competitions similar to those played at universities and national robotics events! But, GEARS-IDS™ is more than robotics. Use it to illustrate physical science principles, pre-engineering or as the basis for a year-round technology education. Plus it's built rugged enough to allow you to customize your designs with your own engineering components.

Students using Gears-IDS develop skills and attitudes to help them succeed:

- Improved decision making and creativity
- Solid model and CAD drawing proficiency
- How to build prototypes to analyze, test and refine ideas
- Time and material management skills
- Troubleshooting technical issues
- How to document the engineering and design process
- Application of math and physics concepts

Fund Your Technology Program Using the GEARS-IDS™ Invention & Design System

Utilize the GEARS-IDS™ Invention & Design System as the focus of after school programs and camp activities that earn income. To learn more about how your program can benefit from GEARS-IDS™ products, contact Mark Newby at Gears: mnewby@gearseds.com.

Gears
Educational Systems, LLC

GEARS-IDS™ ... technology education in a box



Gears Educational Systems, LLC, 105 Webster Street, Hanover, MA 02339 • 781.878.1512 • www.gearseds.com