

# ARX-TPLAB

## ARX TEACHER PACK MULTIPLE-USER LICENSE

### ARX-TP1 Includes

177 pg Teacher Book

320 pg Student Book

Software Installation  
Guide with CD

Online Access to ARX  
STEM Curriculum  
including teacher  
answer keys



### Overview

For use with the ARX STEM Curriculum, this is a teacher package with a site license giving online access to every student at your school.

### Teacher Book Topics Include:

- Preparing for Day One
- Overview of software requirements
- Overview of material and tool requirements
- Scope and sequence
- Activity list with estimated times
- Suggested schedule for 15 weeks (3 hours per week)
- Suggested schedule for 10 weeks (5 hours per week)
- Assessment methods
- Learning objectives
- A script of the online video component for each of the 40 lessons

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### Other ARX STEM Products

ARX-SSBL Student  
Book, Single-User  
License

ARX-TP1 Teacher  
Pack, Single-User  
License

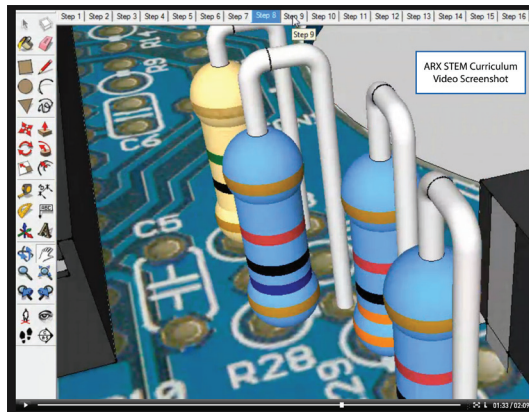
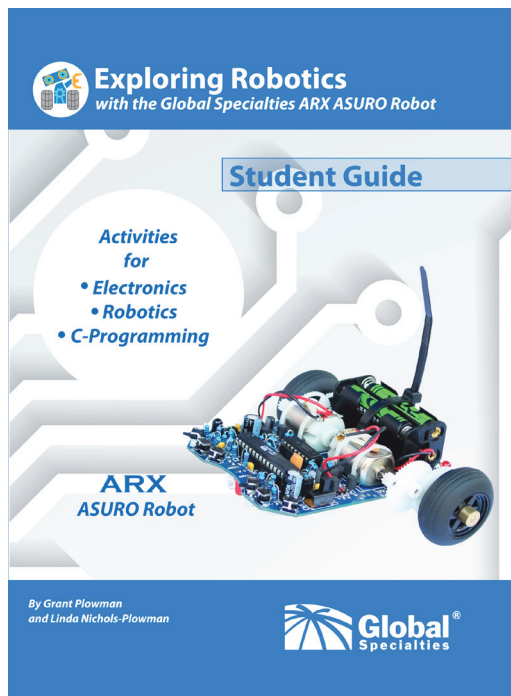
ARX-TPLAB Teacher  
Pack, Multiple-User  
License

ARX-TLKT ARX  
Robot Tool Kit

ARX-BBKT ARX  
Starter Breadboard  
Kit

PRO-50A Handheld  
Digital Multimeter

GSK-109 ARX Robot  
Soldering Practice Kit



### Student Book Topics Include:

- Overview of the ARX STEM Curriculum
- Getting to know the ARX ASURO Robot
- Learning to think and act like an engineer
- Prototyping with breadboards
- Soldering PC boards
- Power supply, status, collision detection, motor control, encoder, line following, micro controller, and IR com link circuits.
- Step-by-step assembly instructions
- Test procedures
- Introduction and essentials of C programming
- Program uploading guide
- Sample programs
- Line following competitions
- Collision detection competitions