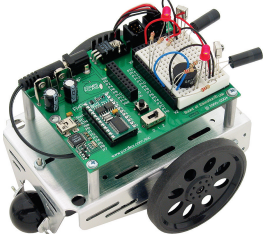
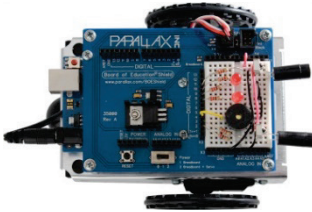
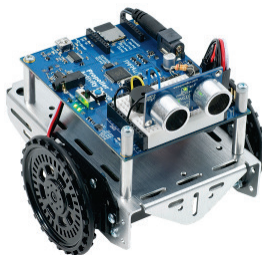












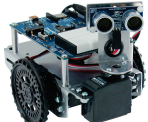




PARALLAX SMALL ROBOTS – COMPARISON CHART FOR COMPLETE KITS			
ROBOT → FEATURES ↓			
	Boe-Bot Robot Kit 28832	Robot Shield With Arduino 32335	ActivityBot 360° Robot Kit 32600 , 12-pack Plus 32612
Programming & Tutorials			
Microcontroller	BASIC Stamp 2 module  included	Arduino Uno module  included	Propeller P8X32A included on the Activity Board WX 
Programming language	PBASIC (text)	Arduino (text)	BlocklyProp (visual) and C (text)
Processing	Single-core sequential processing	Single-core with interrupts for multitasking	Multi-core with 8 processors for multiprocessing
Tutorial format (grades 8-14)	Printed book (& free PDF)	Web & printed book	Web tutorials
Free software	BASIC Stamp Editor	Arduino IDE 	BlocklyProp, SimpleIDE 
Development Board and Features			
Development board	Board of Education with BS2 Module 28803	Board of Education Shield 35000 (specs w/ Arduino Uno)	Propeller Activity Board WX  32912
Solderless breadboard	Yes	Yes	Yes
Free digital I/O pins	16	14	18
3-pin servo headers	4	4	6
microSD card & socket	No	No	Yes
WiFi/XBee RF socket	No	No	Yes
Audio output jack	No	No	Yes
A/D inputs	None	6 10-bit	4 12-bit
USB powered	No	Yes	Yes
DIY Sensor System Components Included			
Touch-whisker	2	2	2
Light sensor	2	2	2
IR object detector	2	2	2
PIPING)) Ultrasonic Distance Sensor	0	0	1
Drive & Power Systems			
Servo motors	Continuous Rotation (900-00008) , 6 VDC, 50 RPM	Continuous Rotation (900-00008) , 6 VDC, 50 RPM	Feedback360° High-speed (900-00360) , 5-8 VDC, 120 RPM
Wheel encoders	No	No	Built into servos
Battery pack*	4 AA 1.5 V (6 V total)	5 AA 1.5 V (7.5 V total)	5 AA 1.5 V (7.5 V total)

Open-source hardware  and software  *Batteries not included.

BASIC Stamp and Boe-Bot are registered trademarks of Parallax Inc. Arduino is a registered trademark of Arduino, LLC. XBee is a registered trademark of Digi International.

V1.1 replaces Robotics Shield Kit without Arduino or cable (130-35000) with Robot Shield With Arduino (32335).

V2.0 replaces ActivityBot (#32500) with ActivityBot 360° (#32600).

PARALLAX SMALL ROBOTS – COMPATIBLE HARDWARE ADD-ONS			
ADD-ONS↓ / ROBOT→	Boe-Bot Robot Kit 28832	Robot Shield With Arduino 32335	ActivityBot 60° Robot Kit 32600
NiMH AA Batteries 752-00022 & Charger 28988 	No	No	Yes – and included in the 12-pack Plus
Li-Ion Power Pack/Charger 28988 	Yes, be sure to power servos with 5 V, not VIN Li-Ion batteries sold separately	Yes, be sure to power servos with 5 V, not VIN Li-Ion batteries sold separately	Yes, and you can power servos with VIN Li-Ion batteries sold separately
PING))) Mounting Bracket Kit 570-28015 	Yes, but PING))) Ultrasonic Distance Sensor (28015) must also be purchased separately	Yes, but PING))) Ultrasonic Distance Sensor (28015) must also be purchased separately	Yes, and included in the 12-pack Plus.
QTI Line Follower Kit 28108 	Yes	Yes	Yes, and included in the 12-pack Plus
Gripper Kit 28202 	Yes	No. The Arduino Uno mounted under the board obstructs mounting the Gripper hardware.	Yes
veho360 Speaker 900-00018 & Speaker Mount 725-32905 	No	No	Yes! The Propeller microcontroller can play WAV files from the microSD card.
Tank Tread Kit 28106 	Yes	Yes	Yes.
Crawler Legs Kit 30055 	Yes	Yes	Yes.
Digital Encoder Kit for Boe-Bot 28107 	Yes	No	Not needed! Its Feedback 360° servos have built-in position sensors.