



JackBord Works Limited

TABLE OF GUIDES AND ACTIVITIES

A	GETTING STARTED		
	Charging the JackBord		
	Connecting to the Internet		
	Activity LED (ACT)		
	Entering World Mode		
	Entering Treehouse Mode		
	Adopting Your JackBord		
	Unadopting Your JackBord		
	Updating Your JackBord		
B	MAKER GUIDES		
	RGB Light Stick		
	Soil Moisture Sensor		
	Attaching the Motors		
	Short Range Proximity Sensor		
	RC Servo		
	Laser Range Finder		
	Internal Temperature Sensor		
	IR Remote Control Receiver		
	Internal Light Sensor		
	Ph Probe		
	GRAPHICS (in Octagon)		
	Introduction		
	The Show Page		
	Drawing Pixels		
	Drawing Vertical and Horizontal Lines		
	Drawing Lines		
	Tags		
	Displaying Text		
	Drawing Squares and Rectangles		
	Drawing Circles and Arcs		
	Using Graphics in Programs		
	JACKBORDER PROJECTS		
	Leo's Disco Lights Part 1		
	Leo's Disco Lights Part 2		
	Leo's Disco Lights Part 3		
	Blaiques Bumper Robot		
	Leo's Remote Control Video Game		
C	ELECTRONICS	1001	
	What Electronics is Made of: Components	1011	3
	What Electronics is Made of: Printed Circuit Boards (PCBs)	1011	4
	Using the JackBord TOP: Connecting the Power.	1011	5
	Build a Simple LED Circuit	1011	6
	Add a Switch to the Simple LED Circuit	1011	7
	Use a Variable Resistor to Control the Brightness of an LED	1011	8
	Build a Rainbow Using all 5 LEDs on the TOP	1011	9
	Use a Switch to control all LEDs	1011	10
	Use a Variable Resistor to Control the Brightness of the 5 LEDs Rainbow	1011	11
	Series Resistors	1011	12
	Parallel Resistors	1011	13
	Worlds Worst LED Torch	1011	14
	Capacitors and Resistors	1011	15
	Build a Mechanical Switch	1011	16
	Continuity Meter	1011	17
	Use a Transistor to Control a LED	1011	18
	Use a Transistor to Control Multiple LEDs	1011	19
D	PROGRAMMING	2001	
	Introduction to Programming	2011	1
	What You Need to Code	2011	2
	The PROG page	2011	3
	Your First Program	2011	4
	Variables	2011	5
	Local v Global Variables	2011	6
	Light Show	2011	7
	System Variables	2011	8
	Tasks	2011	9
	User Task Arguments	2011	10
	User Task Return Values	2011	11
	Repeating Things	2011	12
	Making Decisions	2011	13
E	SENSORS	3001	
	Simple Laser Ruler	3011	1
	Short Range Proximity Sensor No Touch Light	3011	2
	Continuity Meter	3011	3
	Portable Soil Moisture Meter	3011	4
F	CONTROL	4001	
	Laser Bumper Robot	4011	1
	Simple Servo Claw Part 1	4011	2
	Simple Servo Claw Part 2	4011	3