

Item	Item Cost	Item cost +Tax	Number of		Total cost
			Items		
IR Break Beam Sensor	\$ 2.95	\$ 3.33	2	\$	6.67
Screws	\$ 3.93	\$ 4.44	1	\$	4.44
Rechargeable 9V	\$ 4.99	\$ 5.60	1	\$	5.60
5ft of Black Wires	\$ 1.60	\$ 1.81	1	\$	1.81
Arduino UNO	\$ 9.00	\$ 10.17	1	\$	10.17
USB Cable	\$ 2.75	\$ 3.11	1	\$	3.11
SD Card	\$ 7.79	\$ 8.80	1	\$	8.80
SD Card adaptor	\$ 2.50	\$ 2.83	1	\$	2.83
MDF	\$ 3.00	\$ 3.39	2	\$	6.78
Wood Glue	\$ 6.57	\$ 7.42	1	\$	7.42
Mounting Brackets	\$ 4.97	\$ 5.62	1	\$	5.62
Soldering wire	\$ 7.88	\$ 8.90	1	\$	8.90
9V battery snap connector	\$ 2.00	\$ 2.26	1	\$	2.26
DIY power jack shell	\$ 2.20	\$ 2.49	1	\$	2.49
Forest Green Paint	\$ 6.66	\$ 7.53	1	\$	7.53
Male-Female Jumper wire	\$ 1.00	\$ 1.13	1	\$	1.13
Total tracker cost				\$	85.55

Item	Item Cost	Item cost +Tax	Number of		Total cost
			Items		
MDF	\$ 3.00	\$ 3.39	2	\$	6.78
Wood Glue	\$ 6.57	\$ 7.42	1	\$	7.42
Screws	\$ 3.93	\$ 4.44	1	\$	4.44
Mounting brackets	\$ 4.97	\$ 5.62	1	\$	5.62
Forest Green Paint	\$ 6.66	\$ 7.53	1	\$	7.53
Total tracker cost				\$	31.79

Links For Products**Justification**

https://learn.adafruit.com/ir-breakbeam-sensors/arduino	Detects the bats breaking the infrared beam
https://www.homedepot.ca/product/leviton-white-replacement-wallplate-screws-packed-10-units/1001532514	
https://makerstore.ca/shop/ols/products/aaa-battery-single	Power source for the prototype
https://makerstore.ca/shop/ols/products/5ft-hook-up-wire-22awg	Wiring for connections between components
https://makerstore.ca/shop/ols/products/arduino-uno-r3-clone	Microcontroller for handling sensors and data.
https://makerstore.ca/shop/ols/products/usb-type-a-b-cables	Connect Arduino to computer for programming and power
https://www.amazon.ca/Sandisk-Class-Memory-SDSDB-032G-B3/	Store data collected by Arduino.
https://edu-makerlab.odoo.com/shop/microsd-adaptor-2168?search=nails&o	Interface between the SD card and Arduino for data storage
https://makerstore.ca/shop/ols/products/mdf/v/M003-1-8-18-NC	Primary structural material for building the bat box.
https://edu-makerlab.odoo.com/shop/nails-2177?search=nails&o	Fasten MDF components securely
https://www.homedepot.ca/product/unbranded-universal-mount-s	Allows for easy installation on various platforms
Soldering/dp/B01MT60BSK/ref=sr_1_7?crd=3SMT3JKFWTRP6&di	To allow for connecting wires via soldering
https://makerstore.ca/shop/ols/products/9v-battery-clip-connector	Connect arduino to power
https://www.amazon.ca/uxcell-Plastic-Cover-Power-Connector/dp/	Connect arduino to power
https://www.amazon.ca/Apple-Barrel-Acrylic-Assorted-2-Ounce	
https://makerstore.ca/shop/ols/products/jumper-cables-pack-of-10	

Links For Products**Justification**

https://makerstore.ca/shop/ols/products/mdf/v/M003-1-8-18-NC	Primary structural material for building the bat box.
https://edu-makerlab.odoo.com/shop/nails-2177?search=nails&o	Fasten MDF components securely
https://www.homedepot.ca/product/leviton-white-replacement-w	Allows for sturdy installation of brackets and sensors
https://www.homedepot.ca/product/unbranded-universal-mount-s	Allows for easy installation on various platforms
https://www.amazon.ca/Apple-Barrel-Acrylic-Assorted-2-Ounce/dp/	Dark paint for thermoregulation

Comments

Will get from MakerSpace, but there's no link to it online

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