



Equipment and Supplies List

EV3 LEGO Materials

One class set of vehicles and extra brake assemblies

This would have one set of trucks and cars (reused with all class periods) and the a separate set of brakes for 5 class periods

	Item Number	Item	Quantity	Sets per class	Total per class	Quantity in bulk pack	Bulk packs needed	Price/Unit	Price/needs
For set of 10 trucks and cars	991409	EV3 8 pack/soft	10	1	1	1	1	\$1728.95	1728.95
	5003400	EV3 2 sets	2	2	2	1	1	\$339.95	\$679.90
	5003191	RIM WIDE 18x14 W. CROSS Ø4.8	4	10	40	5	8	\$25.00	\$200.00
	5003217	Balloon Tires	4	10	40	4	10	\$12.00	\$120.00
		weight block	You will have to pull this from a LEGO energy kit or use another type of weight on the LEGO vehicle						

	Item Number	Item	Quantity per brake	Total # of brakes**	Total # of parts**	Quantity in bulk pack	Bulk packs needed	Price/Unit	Total Price
For set of 10 brake attachments times five class periods (you will only need the brake if you are completing Unit 2)	4542576	TECHNIC 15M BEAM	1	50	50		10	0.45	\$22.50
	4210686	TECHNIC 5M BEAM	4	50	200		40	0.20	\$40.00
	4142822	TECHNIC 3M BEAM	2	50	100		-	0.15	\$15.00
	4210753	TECHNIC ANG. BEAM 3X5 90 DEG.	2	50	100		-	0.30	\$30.00
	4210667	TECHNIC ANG. BEAM 4X2 90 DEG	9	50	450		-	0.30	135.00
	5003122	CONNECTOR PEG W. FRICTION	29	50	1450	100	15	\$10.00	\$150.00
	5003115	CONNECTOR PEG W. FRICTION 3M	12	50	600	100	6	\$10.00	\$60.00
	5003129	CROSS AXLE 4M	1	50	50	50	1	\$10.00	\$10.00
5003144	CROSS BLOCK 90°	2	50	100	50	2	\$10.00	\$20.00	
							Total Cost		3211.35

**Assuming 30 students with 10 groups (5 classes)

italics = used in Unit 1 & 2

Blue Shaded: - Purchase pieces from spare parts and accessories or classroom packs on the website: <https://education.lego.com/>

Yellow Shaded: Purchase pieces from Pick a Brick on the website: <http://shop.lego.com/> (Pick a Brick located in quick links)



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