See Laurens Valk's article "The Difference Between LEGO MINDSTORMS EV3 Home Edition (#31313) and LEGO MINDSTORMS Education EV3 (#45544)" (November 2013), at http://robotsquare.com/2013/11/2/5/difference-between-ev3-home-edition-and-education-ev3/, specifically the paragraph "Upgrading' Elements from Education Edition to Home Edition". Parts comparison based upon Britch Opio list at https://ribcdo.jo.wordpress.com/2013/08/14/mindstorms-ev3-education-core-set-expansion-set-parts-comparison/
Cross-checked against Thomas Rosendahl's list at https://docs.google.com/document/d/JyEfujCvZp1yX_1D4gu4_4IX7kDwcavNncN4QV5hu4k/edit

Parts (except infrared sensor and beacon) can be ordered at https://service.lego.com/en-us/replacementparts#BasicInfo
The infrared sensor (45509) and beacon (45508) can be ordered at http://shop.lego.com/en-US/Pick-A-Brick-ByTheme#shopxlink

#	Part # 4211375	Design # 2736	Quantity Required	Unit Price US\$ \$0.20	Total Price US\$ \$0.80	Notes 4 additional pieces required	Minimum Quantity Required *	Minimum Price US\$
2	370626 4494222	3706 4185	3	\$0.21	\$0.84	4 additional pieces required	4	\$0.84
4	4188298	6536	8	\$0.41 \$0.17	\$1.23 \$1.36	Color difference only; see part 4587275. Color difference only; see part 4211775.	0	\$0.00 \$0.00
5	4143187	6575	2	\$0.40	\$0.80	Color difference only; see part 421775.	0	\$0.00
6	4227155	6590	9	\$0.10	\$0.90	Color difference only; see part 4211622.	0	\$0.00
	6089573	13972				Identified as part 6044688 in Brick Dojo and Rosendahl		
7	4629921	32005	2	\$2.90	\$5.80	lists; caterpillar track.	2	\$5.80
8	4029921	32003	2	\$0.29	\$0.58	Color difference only; see part 4629920.	0	\$0.00
	4111998	32009				Using parts 4234240 (qty 4) and 4495412 (qty 6) (color		
9	4254606	32013	12	\$0.79	\$9.48	difference only), only qty 2 are required.	2	\$1.58
10	4189131	32014	4	\$0.14	\$0.56	Color difference only; see part 4107085.	0	\$0.00
11	4234429	32034	1	\$0.33	\$0.33	Color difference only; see part 4107767.	0	\$0.00
12	4211553	32039	6	\$0.21	\$1.26	Color difference only; see part 4107783.	0	\$0.00
13 14	6013936	32068	2 4	\$0.22 \$0.59	\$0.44 \$2.36	Color difference only; see part 4107081.	0 4	\$0.00 \$2.36
15	4211888	32138	4	\$0.33	\$1.32	Color difference only; see part 4119589.	0	\$0.00
16	4120017	32140	8	\$0.29	\$2.32	Color difference only; see parts 4141270 and 4211610.	0	\$0.00
	4128598	32184				Using part 4121667 (qty 12) (color difference only), only		
17 18	4189936	32192	17 4	\$0.29 \$0.25	\$4.93 \$1.00	qty 5 are required.	5	\$1.45 \$1.00
19	4177430	32269	1	\$0.75	\$0.75	1 additional piece required	1	\$0.75
20	4140327	32271	12	\$0.52	\$6.24	Using part 4211624 (qty 4) (color difference only), only qty 8 are required.	8	\$4.16
21	4128594	32291	2	\$0.23	\$0.46	Color difference only; see part 4140430.	0	\$0.00
22	4141300	32293	4	\$0.73	\$2.92		4	\$2.92
23	4142135	32316	10	\$0.28	\$2.80	Using part 4211651 (qty 9) (color difference only), only qty 1 is required.	1	\$0.28
24	4128593	32348	4	\$0.42	\$1.68	Color difference only; see part 4509912.	0	\$0.00
25	4255563	32498	3	\$0.96	\$2.88	3 additional pieces required	3	\$2.88
26	4142822	32523	10	\$0.14	\$1.40	10 additional pieces required; using parts 4153707 (qty 4) and 4153718 (qty 6) (color difference only), no additional parts are required.	0	\$0.00
27	4495935	32524	6	\$0.37	\$2.22	Color difference only; see part 4495930.	0	\$0.00
28	4142823	32526	6	\$0.36	\$2.16	Color difference only; see part 4211713.	0	\$0.00
29	4522933	41239	4	\$0.51	\$2.04	Color difference only; see part 4522934.	0	\$0.00

30	4185661	41669	4	\$0.31	\$1.24	4 additional pieces required; using part 4522934 (qty 6) (color difference only), no additional parts are required.	0	\$0.00
31	4173975	41678	4	\$0.28	\$1.12	Color difference only; see part 4162857.	0	\$0.00
	4175442	42003				Using part 4210857 (qty 12) (color difference only), only		
32 33	4184286	44309	14 2	\$0.26 \$1.55	\$3.64 \$3.10	qty 2 are required. 2 additional pieces required	2	\$0.52 \$3.10
34 35	4246901 6024109	50951 53550	2	\$0.23 \$0.71	\$0.46 \$0.71		2 1	\$0.46 \$0.71
36 37	6024106 4545430	54271 54821	1	\$1.04 \$0.36	\$1.04 \$1.08		1	\$1.04 \$1.08
-	4299389	56145	-		*	Using part 4297210 (gty 3) (color difference only), only	-	7
38 39	6015596	61070	4	\$0.70 \$0.83	\$2.80 \$0.83	qty 1 is required.	1	\$0.70 \$0.83
40 41	6015597 4645732	61071 64289	1 8	\$0.83 \$0.39	\$0.83 \$3.12		1 8	\$0.83 \$3.12
41	4562805	64290	Ü	\$0.55	\$3.12	Using part 4611705 (atr 10) (solar difference only), no	Ü	\$3.12
42	4302003	04230	4	\$0.46	\$1.84	Using part 4611705 (qty 10) (color difference only), no additional parts are required.	0	\$0.00
43	4547582	64391	3	\$0.72	\$2.16	Using part 4541325 (qty 2) (color difference only), only qty 1 is required.	1	\$0.72
43	4558797	64393	,	\$0.72	\$2.10		-	\$0.72
44	4330737	04333	3	\$0.75	\$2.25	Using part 4558731 (qty 1) (color difference only), only qty 2 are required.	2	\$1.50
45	4558802	64681	3	\$0.74	\$2.22	Using part 4558774 (qty 1) (color difference only), only qty 2 are required.	2	\$1.48
43	4547581	64683	,	30.74	32.22	Using part 4541924 (qty 2) (color difference only), only	2	\$1.40
46	4547501	04003	3	\$0.73	\$2.19	qty 1 is required.	1	\$0.73
47	4542573	64871	4	\$0.59	\$2.36	Using part 4542578 (qty 19) (color difference only), no additional parts are required.	0	\$0.00
47	45508		4	\$0.55	\$2.50	Identified as part 6014051 in Brick Dojo and Rosendahl	Ü	\$0.00
48 49	4630114	92907	1 2	\$29.99 \$0.46	\$29.99 \$0.92	lists; infrared beacon	1 2	\$29.99 \$0.92
3	45509	95654	-		30.92	Identified as part 6009811 in Brick Dojo and Rosendahl	<u> </u>	\$0.5£
50 51	4656205	98347	1 4	\$29.99 \$0.18	\$29.99 \$0.72	lists; infrared sensor	1 4	\$29.99 \$0.72
52 53	4657296 4666999	98568 99008	6 1	\$0.18 \$0.97 \$0.14	\$5.82 \$0.14	1 additional piece required	6 1	\$5.82 \$0.14
22	4000999	39008	1		şu.14	1 additional piece required	1	\$U.14
		N/A				EV3 sticker sheet; not included in Brick Dojo or Rosendahl		
54	6031766	TOTAL	1 L 239	\$3.01	\$3.01 \$165.44	lists; see p. 5 of Valk's book for a picture of the stickers on LEGO pieces. MINIMUM TOTAL	1 86	\$3.01 \$112.23
		TOTAL	239		\$105.44	MINIMUM IOTAL	00	\$112.23