	Group n°10 - BirdBox						Axel MARSACQ Deniz YALCIN Josephine COTTIN ANdreas ADAIN	
Level	ID	Description	Qty	Available at school	Possible provider	Provider ref	Unit Price VAT excl.	Tochnical data link
1	A	Electronic components						
2	A001	Temperature and Humidity Sensor Module (DHT22)	- 1		Gotronic fr	36685	7,13 €	Module capteur t* et humidité SEN-DHT22
2	A002	5 kg Force Sensor with Amplifier (HX711-05)	- 1		Gotronic fr	37591	6,25 €	Capteur de force 5 kg + ampli HX711-05 Joy-It - Force GO TRONIC
2	A003	20s Voice Recorder Module (ISD1820)	- 1		Gotronic fr	34944	7,92 €	Module enregistreur 20s ISD1820
2	A005	Raspberry Pi 4 B card - 2 GB	- 1		Gotronic fr	36437	54,08 €	Carte Raspberry Pl 4 B - 2 GB
2	A006	External USB battery 57978	- 1		Gotronic fr	14459	35,83 €	Batterie externe USB 57978 Varta - Power Banks GO TRONIC
2	A007	Cordon 1 m USBC-1M	- 1		Gotronic fr	49204	3,58 €	Cordon 1 m USBC-1M - Cordons USB Type-C GO TRONIC
2	A008	Micro SD card 32 Gb	- 1		Gotronic fr	26851	14,92 €	Carte microSD 32 GB - Cartes SD et clés USB GO TRONIC
2	A009	0.14 mm² black flexible cable	40 cm		Gotronic fr	49090	1,92 €	Bobine 10 m de câblage FC14N
2	A010	0.14 mm² red flexible cable	40 cm		Gotronic fr	49095	1,92 €	Bobine 10 m de câblage FC14R
2 2	A011	0.14 mm² white flexible cable	40 cm		Gotronic fr	49098	1,92 €	Bobine 10 m de câblage FC14BL
2	A012 A013	0.14 mm² green flexible cable	40 cm		Gotronic fr	49094 9918	1,92 €	Bobine 10 m de câblage FC14V
2		BC2.5E plug-in terminal strip (Pack of 2)	- 1		Gotronic fr			Barrette enfichables à borniers BC2.5E
2	A014 A015	Single-Sided Epoxy PCB Board – 100 x 160 mm Connector FH1X4	- 1		Gotronic fr	12013 49002	7,17 €	Epoxy brut 1 face - Plaques bakélite et époxy I GO TRONIC Connecteur FH1X4 - HE14 2.54 mm I GO TRONIC
2	A016	Connector FH1X4 Connector FH1X6	1 1		Gotronic fr Gotronic fr	49002	0,46 €	
2		Connector FH1X6	_			49004 8025	0,50 €	Connecteur FH1X6 - HE14 2.54 mm GO TRONIC Connecteur FH205 - HE14 2.54 mm GO TRONIC
2	A017 A018	Connector HE10F40	1		Gotronic fr Gotronic fr	8025 8066	0,50 €	Connecteur HE10F40 - HE14 2.54 mm GO TRONIC
		Connector HE10F40 Connector FH210C	_					
2	A019 A020	Connector FH210C Connector HE14 MH100	1 1		Gotronic.fr Gotronic.fr	49236 8000	0,50 €	Connecteur FH210C - HE14 2,54 mm GO TRONIC
2	A020 A021	SC02 terminal block	2		Gotronic.fr	8090	0,50 €	Connecteur HE14 MH100 - HE14 2.54 mm GO TRONIC Bornier SC02 - Borniers GO TRONIC
1	AU21 B	Mechanical components	2		Gotronic.tr	8090	0,25 E	Bomer SC02 - Borners GO TRUNIC
	B001		2			A149106	7.79 €	
2 2	B001 B002	Lashing strap 3 m with buckle - Force 250 kg (Pack of 2) Screws M3 x 10 (Pack of 100)	3		manutan.fr rs-online.com	A149106 560-595	7,79 €	Sangle d'arrimage à boucle - Force 250 kg - Manutan https://fc.rs-online.com/web/p/vis-a-metaus/05605967qb=s
2	B002 B003	Screws M3 x 10 (Pack of 100) Screws M4 x 30 (Pack of 100)	2		rs-online.com	908-7510	0,04 €	https://tr.es-online.com/web/p/vis-a-metaux/useusee-rgp=s https://tr.es-online.com/web/p/vis-a-metaux/90875107gb=s
2	B003	Fixed hook and zinc-plated steel plate	2		leroymerin fr	70627501	4.47 €	Crochet fixe et platine acier zingué. STANDERS, Diam 8 x L.45 x l.45 mm I Leroy Merlin
2	B005	Zinc-plated steel ring	2			70742105	399.6	Lot de 2 anneaux acier zinqué CHAPUIS, L.58 x I.48 x Ep.10 mm I Leroy Merlin
2	B006	Steel flat head screws M4 x 16	8		leroymerlin.fr	70742105 82239518	3,99 €	Us acier title ronde plat
2	B007	Steel hexagonal head screw M6.3 x 45	4		leroymerlin.fr	82182196	0.14€	Visiacier tête 6 pans hexagonal
2	BOOR	Mesh	1		leroymerlin fr	91726375	5,996	KARAT >Flet de protection contre les oiseaux Ultra résistant Taille de maille 13 millimètres 2 x 5 m i Leroy Merlin
2	D000	Mal	-		lecovmedia fr	68532121	2.99	375 clous Acier: STANDERS tôte plate. Ø1.3 x L.20 mm Leroy Merlin
1	C	PETG components			SESTIMATION.	00074141	2,00	DO DESCRIPTION OF THE DATE OF THE PARTY OF T
3	C001	PETG Filament - 1Kg	1		Gotronic fr	45543	20.33 €	Bobine de fil PETG 1.75 mm PETG175GF
-	0007	3D Printing			<u> </u>	Masse [g]	20,00 €	DANK OF INTERFERENCE TO THE PROPERTY.
2	C002	Box Instrumentation (PETG)	-1			731.05		
2	C003	Weighing plate (PETG)	- 1			140.46		
2	C004	Cap Instrumention box (PETG)	1			21.98		
7	D	Wood components						
3	D001	Wood pannels 200cm x 30cm x 18mm	4		Jerovmerijo, fr	67716964	20.90 €	Tablette sapin lamellé collé. L 200 x l 30 cm x Ep. 18 mm Leroy Merlin
2	D014	Wooden downls	- 1		lecovmedio fr	67557280	2.59 €	Lot de 50 chevilles bais brut HETTICH, I,30 mm Leroy Merlin
		Machining						
2	D002	Front wall	4			Idem article D001		
2	D003	Rear wall	4			Idem article D001		
2	D004	Side wall	8			Idem article D001		
2	D005	Roof right	4			Idem article D001		
2	D006	Roof left	4			Idem article D001		
2	D007	Bottom wall	3			Idem article D001		
2	D008	Bottom door	3			Idem article D001		
2	D009	Box side wall	2			Idem article D001		
2	D010	Box front wall	- 1			Idem article D001		
2	D011	Box bottom	-1			Idem article D001		
2	D012	Box rear wall	- 1			Idem article D001		
2	D013	Wooden cylinder	- 1			Idem article D001		
		7, 11				Total	294,18 €	

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3	(15)
5	(10)
•	28
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No. ARTICLE	NUMERO DE PIECE	QTE
1	Side Wall	2
2	Rear Wall	1
3	Roof left	1
4	Roof right	1
5	Front Wall	1
6	Box Bottom	1
7	Box FrontWall	1
8	Box SideWall	2
9	Holding_Cylinder	1
10	cap_instrumentation Box	2
11	Box_RearWall	1
12	Bottom_Wall	1
13	Bottom_Door	1
14	B18.6.7M - M3 x 0.5 x 10 Type I Cross Recessed FHMS 10N	3
15	B18.6.7M - M4 x 0.7 x 30 Type I Cross Recessed FHMS 30N	6
16	Wooden_Joint	24
17	Zinc- Plated_SteelRing	2
18	DIN 7991 - M4 x 8 5.6N	4
19	HX711	1
20	ISD1820.step	1
21	dht22_1.step	1
22	Right angle 3 pin header.step	1
23	DHT22 Module.step	1
24	Battery	1
25	PCBModelV1	1
26	Load cell 5Kg_2.stp	1
27	Scale	1
28	Box_instrumentation	1
29	Raspberry Pi 4 Model B	1

Somme poids composants systeme instru Poids boite instru vide

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