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TESTING  
CNAS L13752



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# Test Report

No.: EGZ2203020165C00401R

Date: Mar. 14, 2022

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**Applicant** : SHANTOU TENGXIN EDU-TOYS INDUSTRIAL CO.,LTD  
**Address** : CHENGHAI DISTRICT,SHANTOU CITY,GUANGDONG PROVINCE, CHINA

**Sample Name** : SCIENCE TOYS

**Item No.** : See list

**Labeled Age Grading Requested** : 3+

**Age Grading Requested** : 3+

**Age Group Applied in Testing** : 3+

**Received Date** : Mar. 02, 2022

**Test Period** : Mar. 02, 2022~ Mar. 14, 2022

**Test Requested** :  
1. As requested by client, according to the CPSIA Sec.106 (16 CFR 1500.48 and 16 CFR 1500.49), to perform certain testings in the submitted sample.  
2. As requested by client, according to 16 CFR 1501 Small Parts Requirements, to perform certain testing in the submitted sample.  
3. As requested by client, according to 16 CFR 1500.44, to perform the Flammability Test on Solid.  
4. As requested by client, according to the Section 101 of U.S. Consumer Product Safety Improvement Act of 2008 (CPSIA), to determine the Lead content in the submitted sample.  
5. As requested by client, according to Section 108 of the Consumer Product Safety Improvement Act of 2008 (CPSIA) and its revised regulation 16 CFR 1307, to determine the contents of specified Phthalates in the submitted sample.  
6. For compliance with the test requirement of CPSIA Section 103 tracking labels for Children's products.

**Test Results** : Please refer to next page (s).

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# Test Report

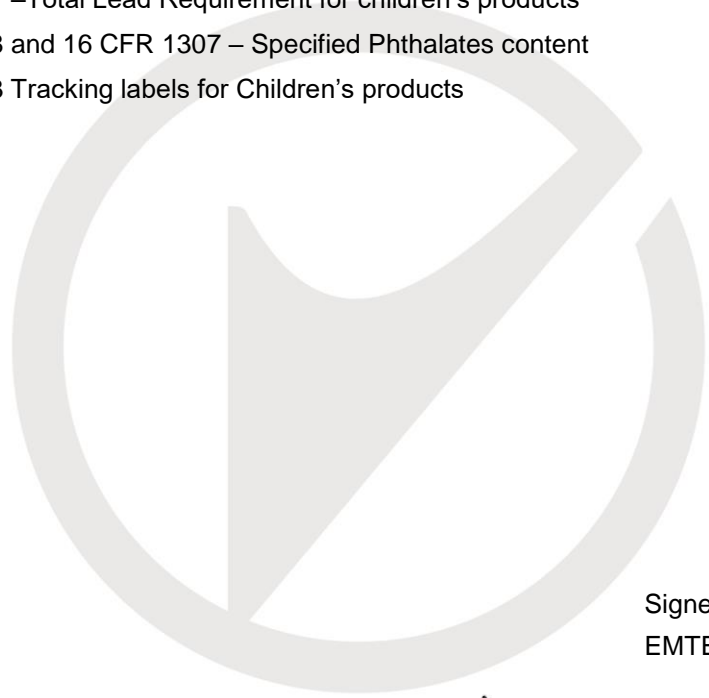
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## Executive Summary:

STANDARD	CONCLUSION
1. CPSIA Sec.106 (16 CFR 1500.48 and 16 CFR 1500.49)	PASS
2. 16 CFR 1501 Small Parts Requirements	SEE DATA
3. 16 CFR 1500.44 Flammability Requirements	PASS
4. CPSIA Section 101 –Total Lead Requirement for children’s products	PASS
5. CPSIA Section 108 and 16 CFR 1307 – Specified Phthalates content	PASS
6. CPSIA Section 103 Tracking labels for Children’s products	PASS



Signed for and on behalf of  
EMTEK(Guangzhou) Co., Ltd.

Prepared by: Lainey  
Tang Lidong, Lainey  
Assistant engineer

Reviewed by: Ethan  
Sun Wei, Ethan  
Technical supervisor

Approved by: Jay Yu  
Yu Chunhua, Jay Yu  
Authorized signatory  
Mar. 14, 2022

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**Item No. list:**

TXS-101	TXS-102	TXS-103	TXS-104	TXS-105	TXS-106	TXS-107	TXZ-109
TXZ-110	TXZ-111	TXZ-112	TXZ-113	TXZ-114	TXL-115	TXL-116	TXL-117
TXL-118	TXL-119	TXL-120	TXL-121	TXH-122	TXH-123	TXH-124	TXH-125
TXH-126	TXH-127	TXH-128	TXH-129	TXH-130	TXH-131	TXH-132	TXH-133
TXH-134	TXH-135	TXH-136	TXH-137	TXH-138	TXH-139	TXX-027	TXD-148
TXD-149	TXD-150	TXD-151	TXD-152	TXD-146	TXD-147	TXD-153	TXD-154
TXD-155	TXD-156	TXH-143	TXH-144	TXH-145	TXL-156	TXL-157	TXL-158
TXL-159	TXL-160	TXL-161	TXY-163	TXY-164	TXY-165	TXY-166	TXY-167
TXY-177	TXY-179	TXY-180	TXY-181	TXY-182	TXG-172	TXG-173	TXG-174
TXG-175	TXSC-001	TXSC-002	TXSC-003	TXSC-004	TXSC-005	TXSC-006	TXSC-007
TXSC-008	TXSC-009	TXSC-010	TXSC-011	TXSC-012	TXSC-013	TXSC-014	TXSC-015
TXSC-016	TXSC-017	TXSC-018	TXSC-019	TXSC-020	TXSC-021	TXSC-022	TXSC-023
TXSC-024	TXSC-025	TXSC-026	TXSC-027	TXSC-028	TXSC-029	TXSC-030	TXSC-031
TXSC-032	TXX-535	TXX-537	TXX-993	TXX-994	TXMR-003	TXMR-004	TXMR-005
TXMR-006	TXMR-007	TXMR-008	TXMR-009	TXMR-010	TXMR-011	TXMR-012	TXMR-013
TXMR-014	TXMR-015	TXMR-016	TXMR-017	TXMR-018	TXMR-019	TXMR-020	TXMR-021
TXMR-022	TXMR-023	TXMR-024	TXMR-025	TXMR-026	TXMR-027	TXMR-028	TXMR-029
TXMR-030	TXMR-031	TXMR-032	TXMR-033	TXMR-034	TXMR-035	TXMR-036	TXMR-037
TXMR-038	TXMR-039	TXMR-040	TXMR-041	TXMR-042	TXMR-043	TXMR-044	TXMR-045
TXMR-046	TXMR-047	TXMR-048	TXMR-049	TXMR-050	TXX-001	TXX-002	TXX-003
TXX-004	TXX-005	TXX-006	TXX-007	TXX-008	TXX-009	TXX-010	TXX-011
TXX-012	TXX-013	TXX-014	TXX-015	TXX-016	TXX-017	TXX-018	TXX-019
TXX-020	TXX-021	TXX-022	TXX-023	TXX-024	TXX-025	TXX-026	TXX-027
TXX-028	TXX-029	TXX-030	TXX-031	TXX-032	TXX-033	TXX-034	TXX-035
TXX-036	TXX-037	TXX-038	TXX-039	TXX-040	TXX-058	TXX-059	TXX-060
TXX-061	TXX-062	TXX-063	TXX-064	TXX-065	TXX-066	TXX-067	TXX-068
TX19037	TX19040	TX19041	TX19042	TX19043	TX19044	TX19045	TX19046

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## Test Sample List:

Sample No.	Sample Description
1	Sky blue plastic
2	Grey plastic
3	Black plastic,



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**Test Results:**

**1. CPSIA Sec.106 (16 CFR 1500.48 and 16 CFR 1500.49)**

AS SPECIFIED IN TITLE 16, CODE OF FEDERAL REGULATIONS, CHAPTER II – CONSUMER PRODUCTS SAFETY COMMISSION OF U.S.A.

	SHARP POINT (1500.48)	SHARP EDGE (1500.49)
As Received	Pass	Pass
Impact Test (Sec.1500.53b)	Pass	Pass
Bite Test (Sec.1500.53c)	N/A	N/A
Flexure Test (Sec.1500.53d)	N/A	N/A
Torque Test (Sec.1500.53e)	Pass	Pass
Tension Test (Sec.1500.53f)	Pass	Pass
Compression Test (Sec.1500.53g)	Pass	Pass

Note : 1. 16 CFR 1500.51 for 18 months of age or less, 16 CFR 1500.52 for over 18 months but not over 36months, 16 CFR 1500.53 for over 36 months but not over 96 months.  
 2. N/A = Not Applicable

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**Test Results:****2. SMALL PARTS TEST**

AS SPECIFIED IN TITLE 16, CODE OF FEDERAL REGULATIONS, CHAPTER II – CONSUMER PRODUCTS SAFETY COMMISSION OF U.S.A.

	SMALL PART (1501)
As Received	N/A
Impact Test (Sec.1500.53b)	N/A
Bite Test (Sec.1500.53c)	N/A
Flexure Test (Sec.1500.53d)	N/A
Torque Test (Sec.1500.53e)	N/A
Tension Test (Sec.1500.53f)	N/A
Compression Test (Sec.1500.53g)	N/A

Note : 1. 16 CFR 1500.51 for 18 months of age or less, 16 CFR 1500.52 for over 18 months but not over 36months, 16 CFR 1500.53 for over 36 months but not over 96 months.  
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**Test Results:**

**3. 16 CFR 1500.44 Flammability Requirements**

AS SPECIFIED IN TITLE 16 PART 1500.44 CODE OF FEDERAL REGULATIONS U.S.A.

Sample	Burning Rate(inch/sec)	Limit(inch/sec)
SCIENCE TOYS	DNI	0.1

DNI= Did Not Ignite

**4. CPSIA Section 101 –Total Lead Requirement for children’s products**

Test Method: with reference to CPSC-CH-E1002-08.3 the analysis was performed by ICP-OES.

Analyte	Unit	Test Result	MDL	Limit
		1+2+3(MIX)		
Lead (Pb)	mg/kg	ND	2	100

- Note:
- (1) mg/kg = milligram per kilogram = ppm
  - (2) MDL = Method Detection Limit
  - (3) ND = Not Detected (lower than MDL)
  - (4) The samples of No.1+2+3 were analyzed on behalf of the applicant as mixing sample in one testing. The above results were only given as the informality value.

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## Test Results:

### 5. CPSIA Section 108 and 16 CFR 1307 – Specified Phthalates content

Test Method: with reference to CPSC-CH-C1001-09.4, the analysis was performed by GC-MS.

Concentration of phthalates in children's toys and child care products

Analyte	CAS No.	Unit	Test Result	MDL	Limit
			1+2+3(MIX)		
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	ND	30	1000
Dibutyl phthalate (DBP)	84-74-2	mg/kg	ND	30	1000
Benzyl butyl phthalate (BBP)	85-68-7	mg/kg	ND	30	1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	mg/kg	ND	50	1000
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	ND	30	1000
Di-n-pentyl phthalate (DPENP)	131-18-0	mg/kg	ND	30	1000
Di-n-hexyl phthalate (DHEXP or DnHP)	84-75-3	mg/kg	ND	30	1000
Dicyclohexyl phthalate (DCHP)	84-61-7	mg/kg	ND	30	1000

- Note:
- (1) mg/kg = milligram per kilogram = ppm
  - (2) MDL = Method Detection Limit
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**Test Results:**

**6. CPSIA Section 103 Tracking labels for children's products**

TRACKING LABEL FOR CHILDREN'S PRODUCTS.

Clause	DESCRIPTION/OBSERVATION	Result
		SCIENCE TOYS
CPSIA Section 103	Tracking labels for children's products	Pass
	1 Manufacturer or private labeler	Pass
	2 Location of production of the product	Pass
	3 Date of production of the product	Pass
	4 Cohort information	Pass

**Note: 16 CFR 1500.44, CPSC-CH-C1001-09.4 and CPSIA Section 103 Tracking labels for children's products were not within the scope of CNAS accreditations.**

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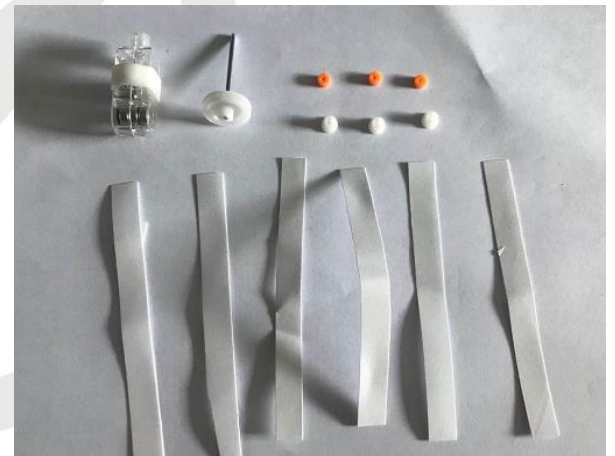
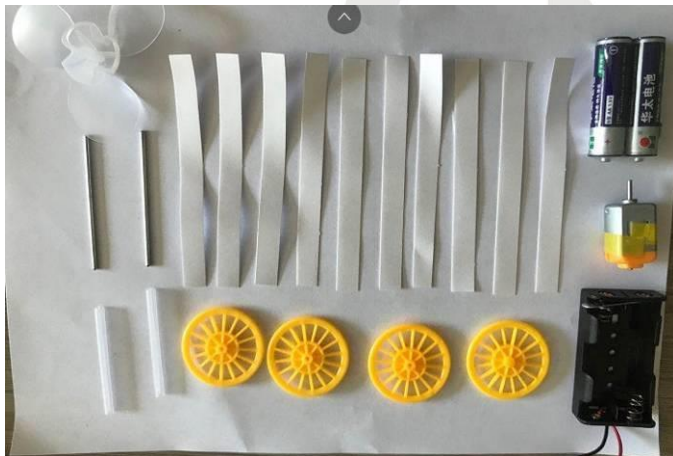
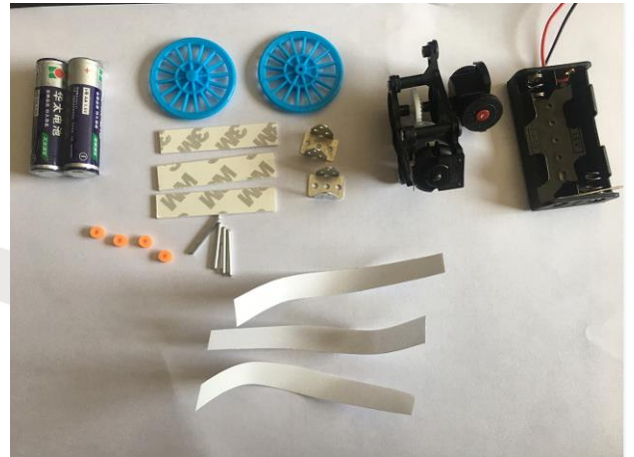
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## Sample Photos:



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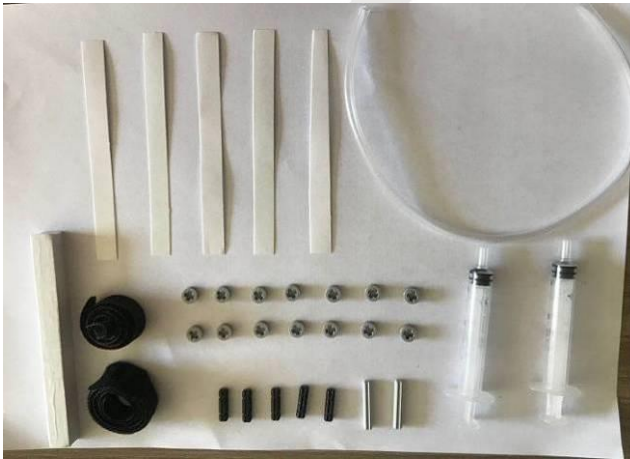
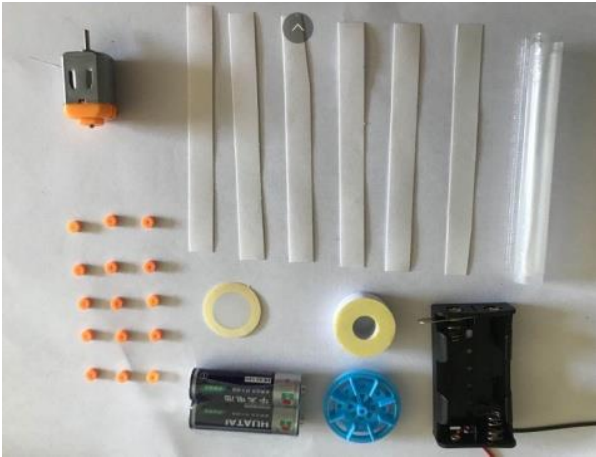


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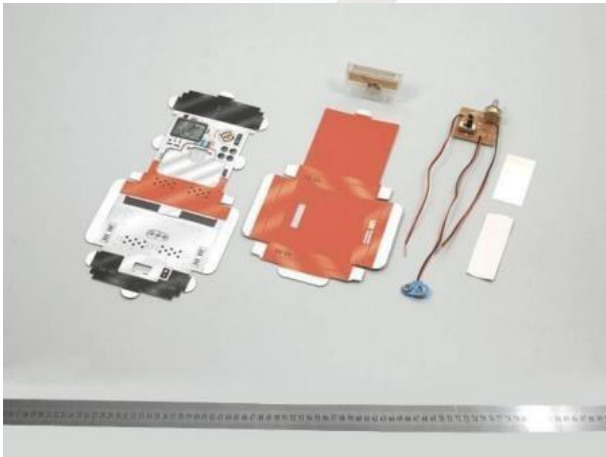


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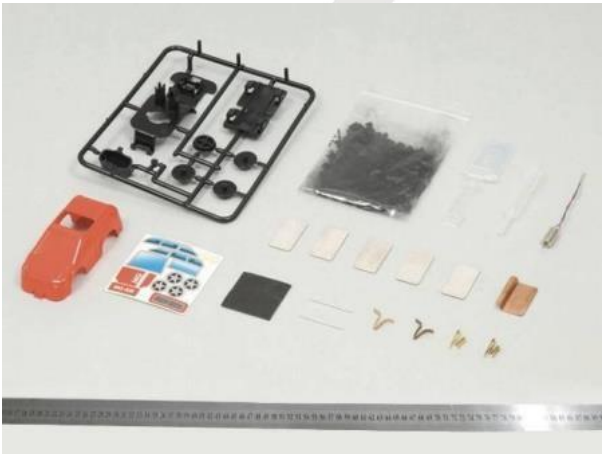


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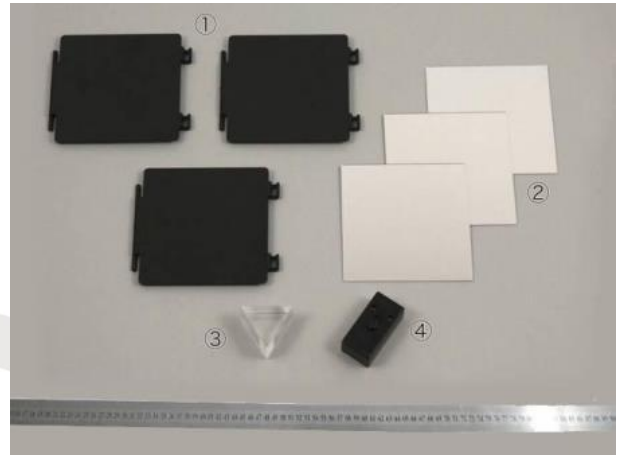


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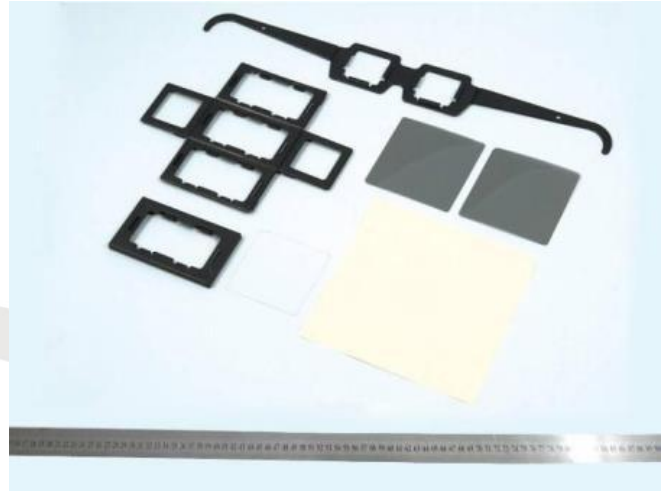


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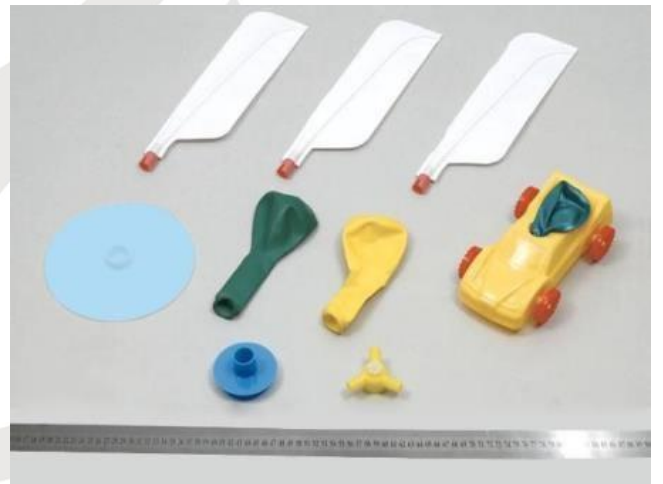
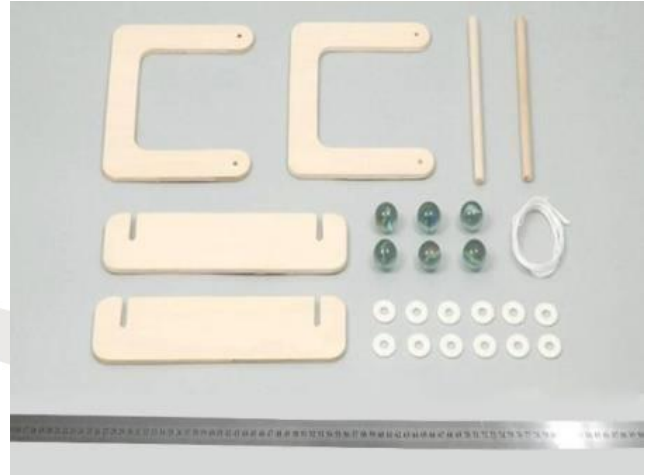


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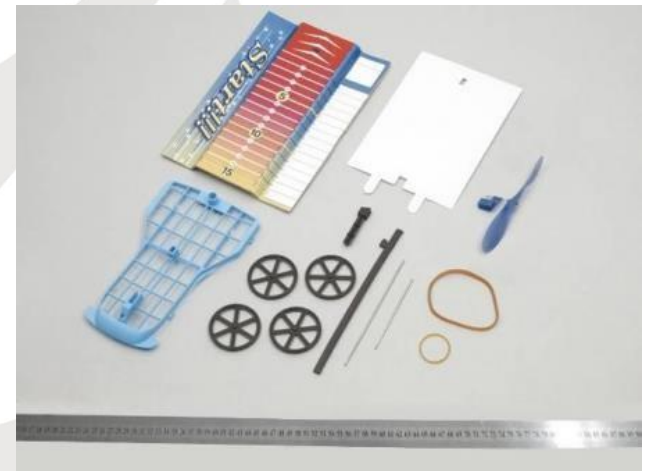
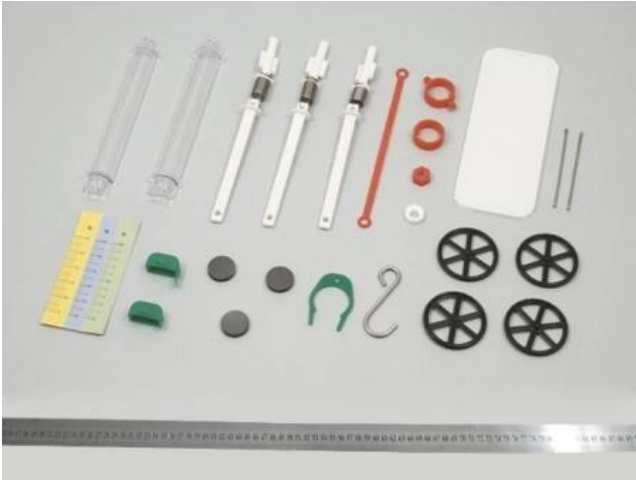


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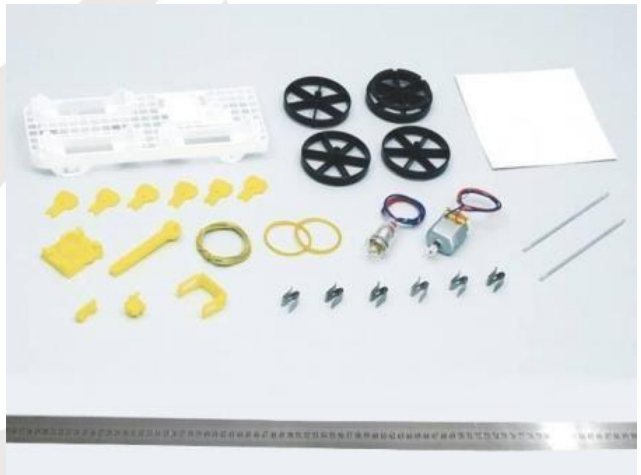
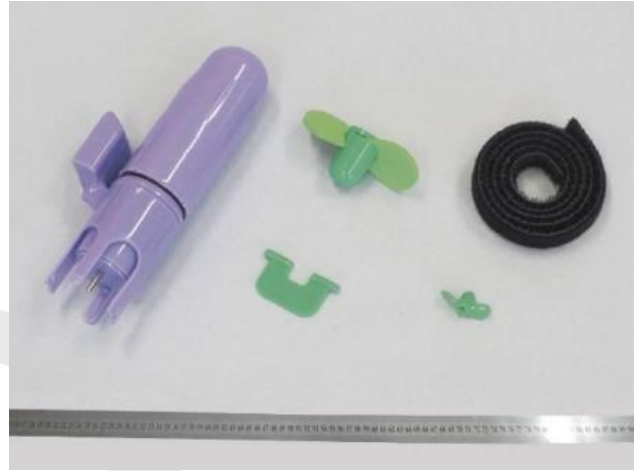


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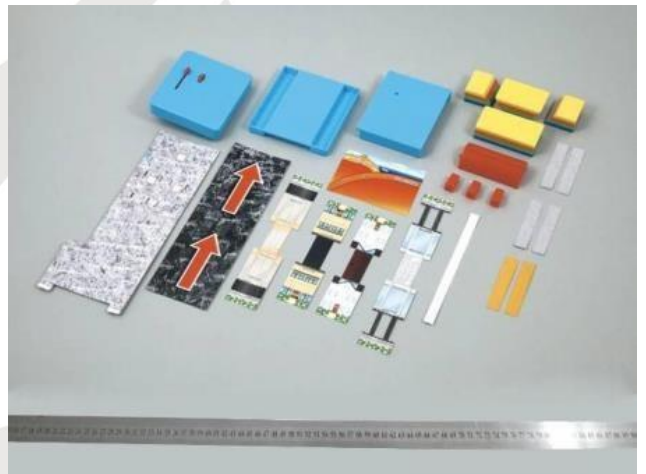


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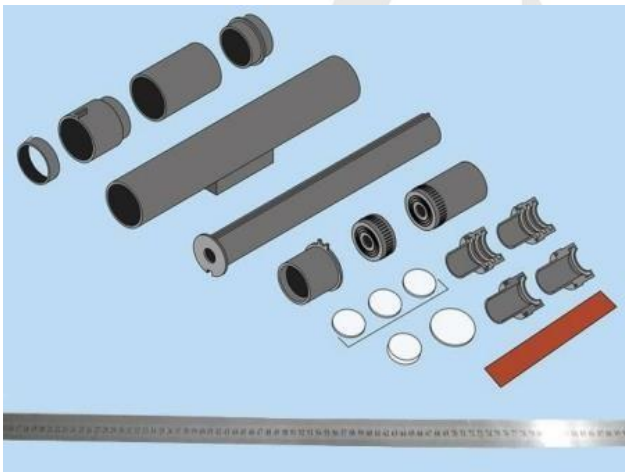


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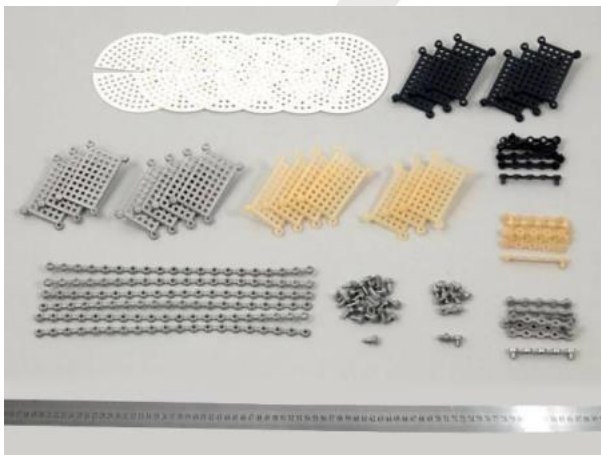
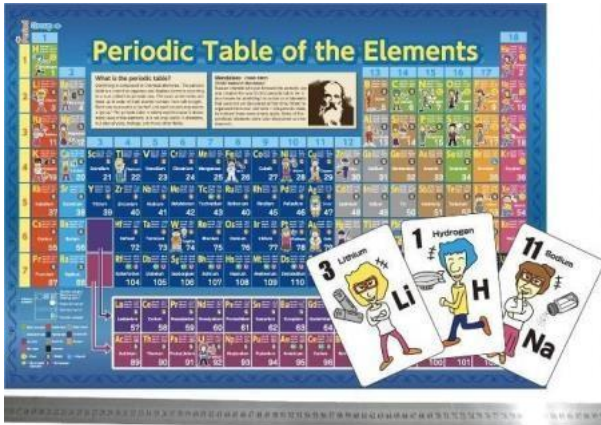


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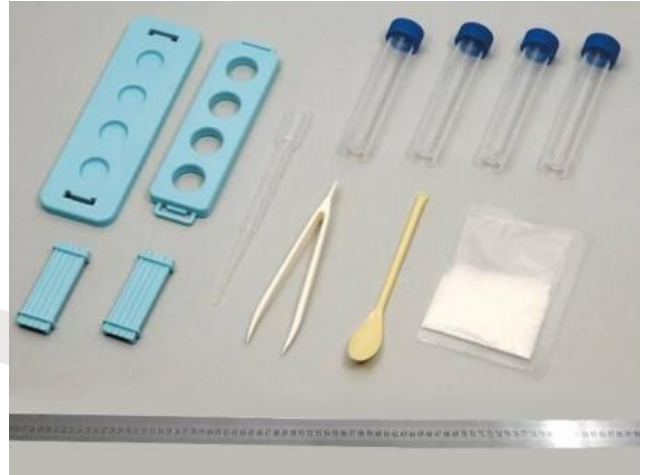
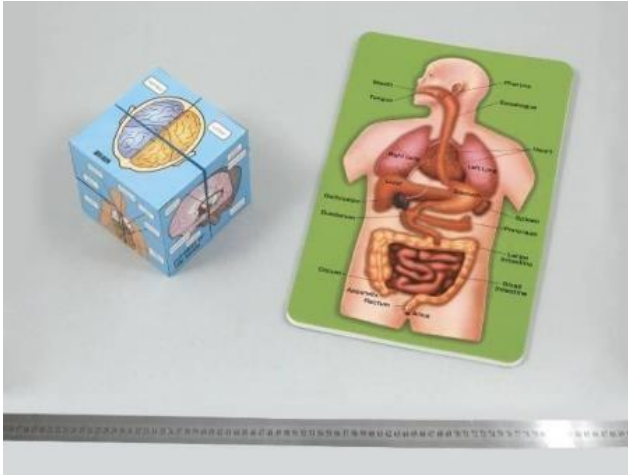


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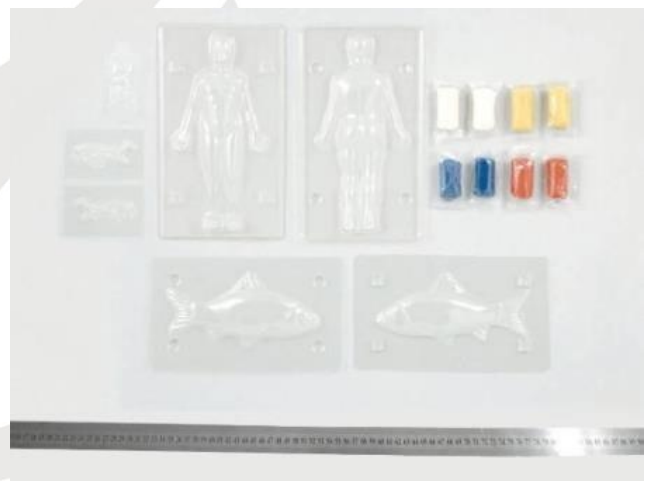
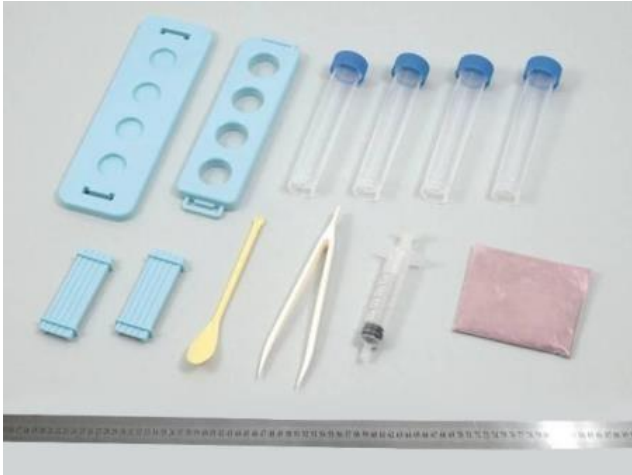


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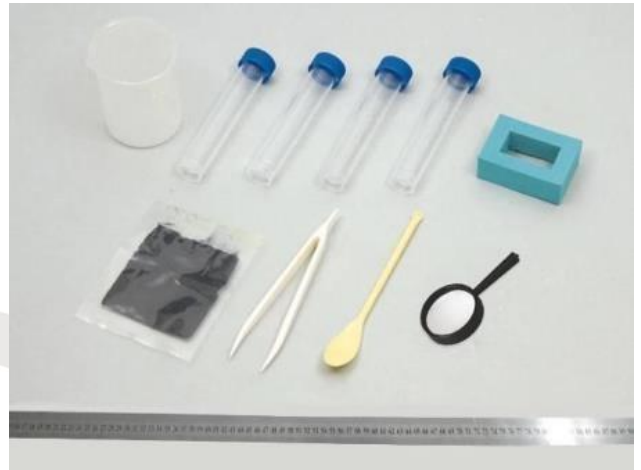


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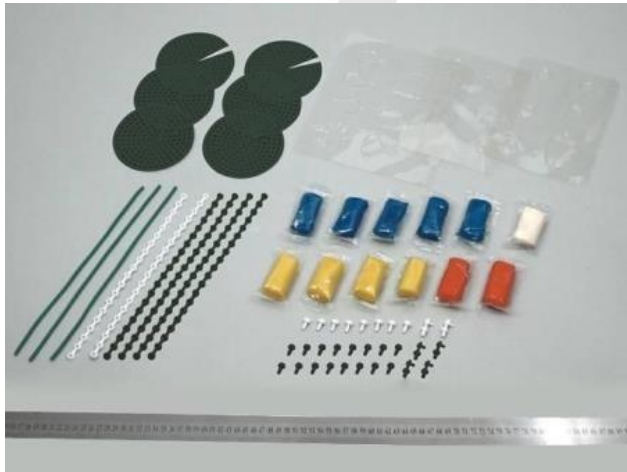


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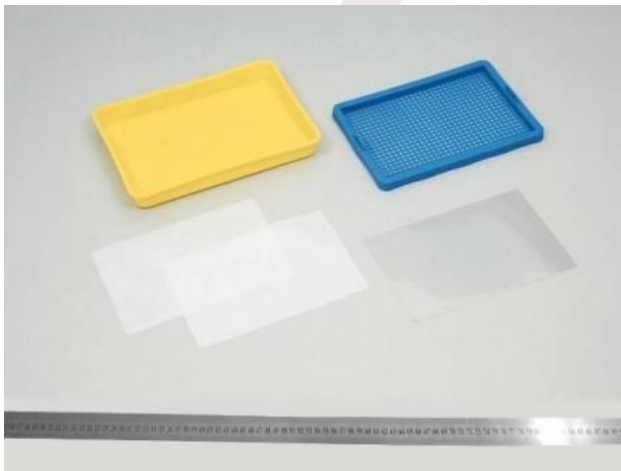


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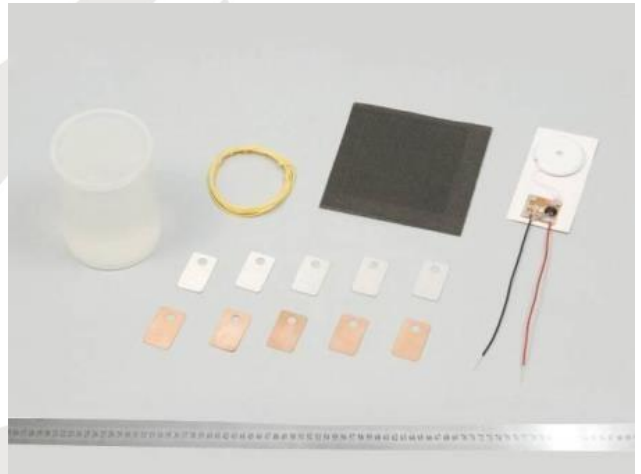


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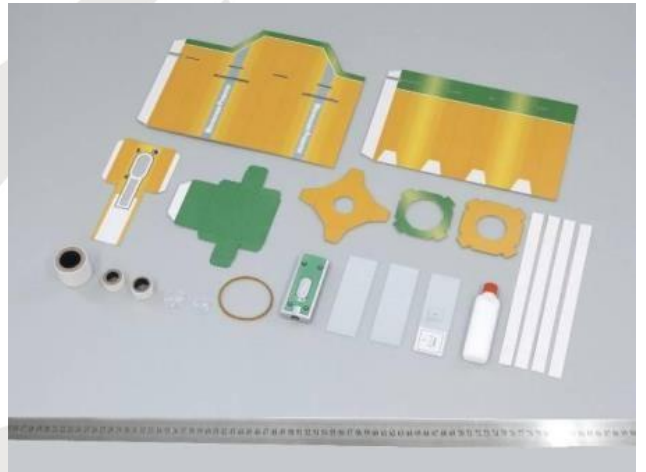
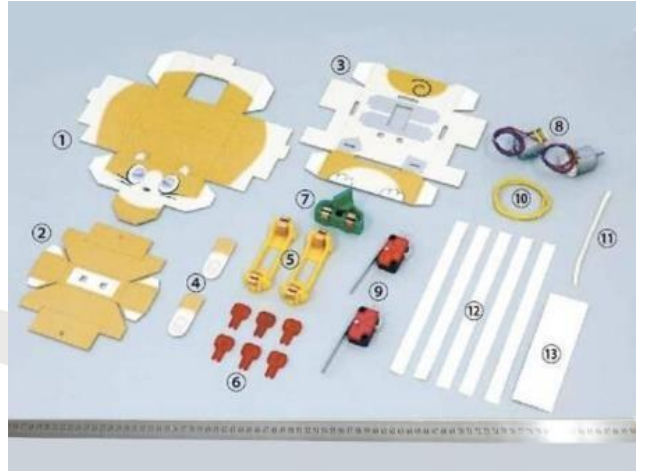


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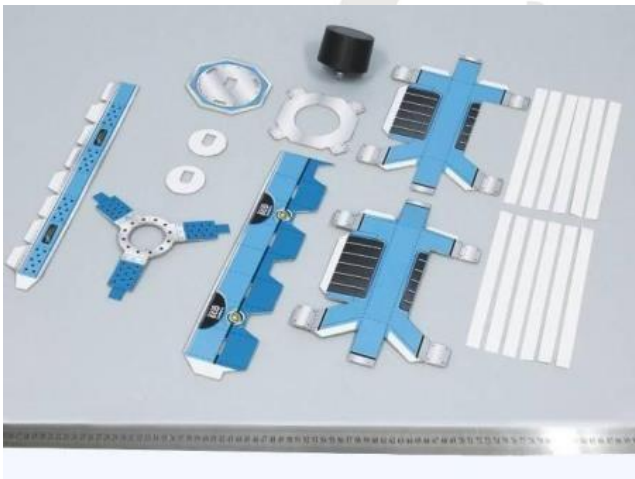
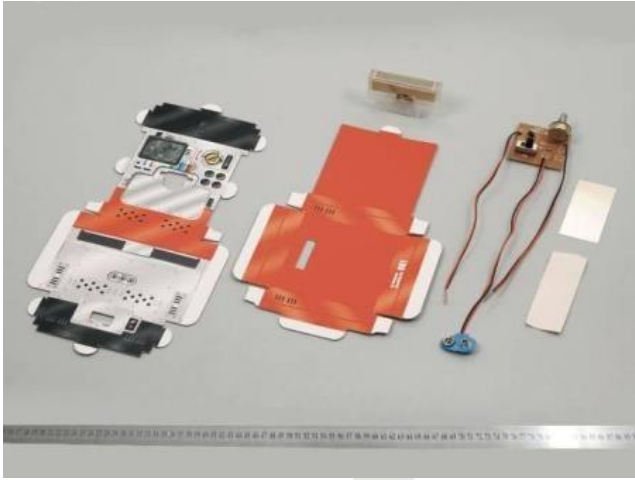


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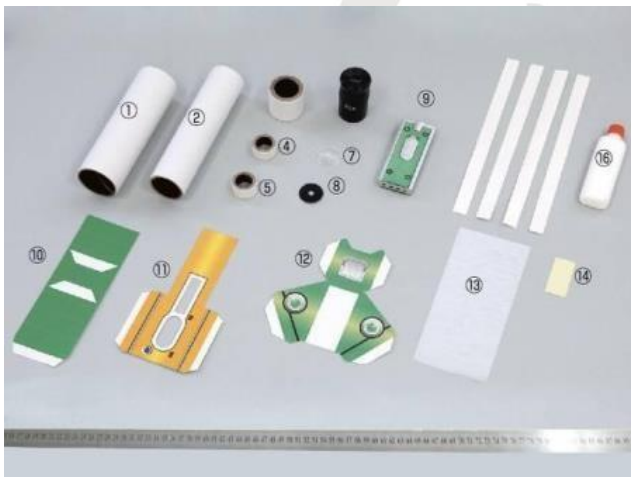


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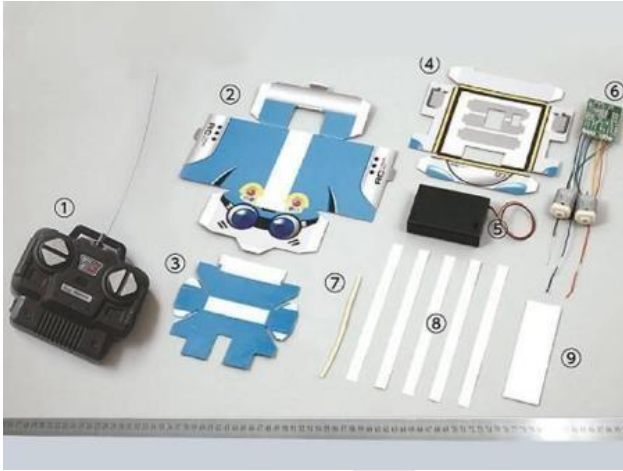


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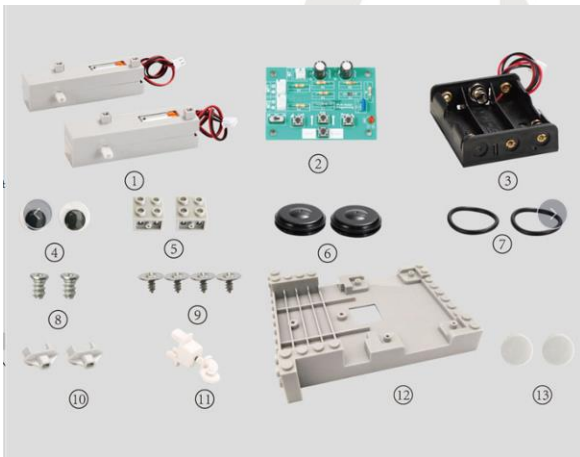
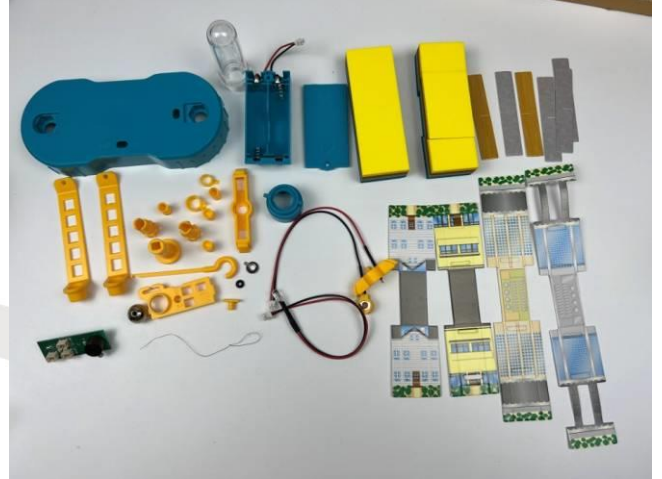


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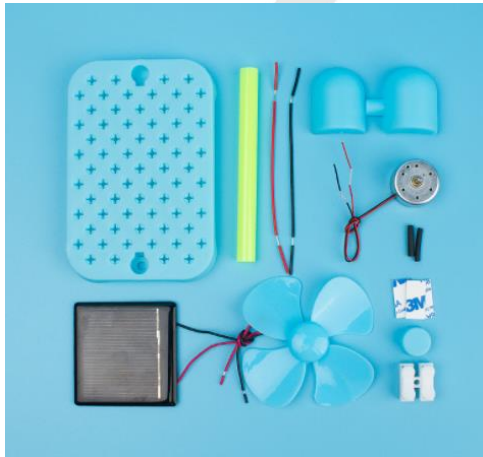
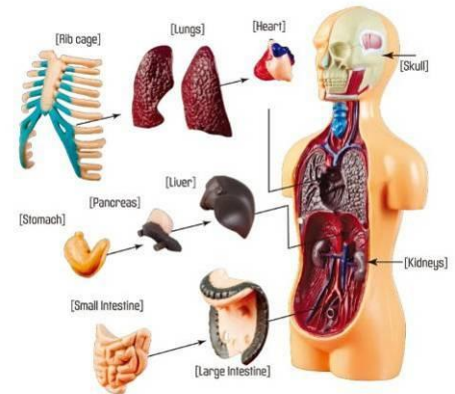


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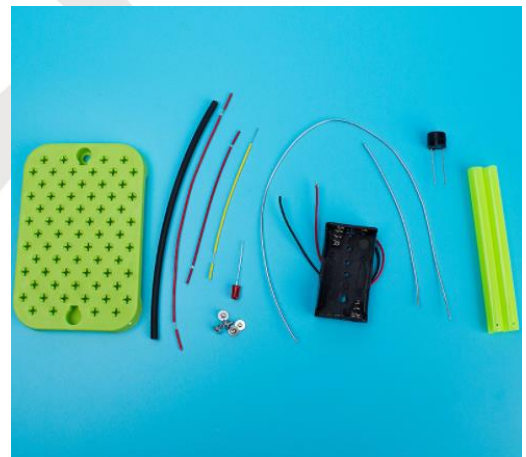
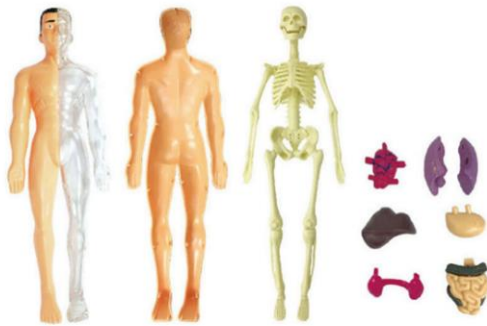


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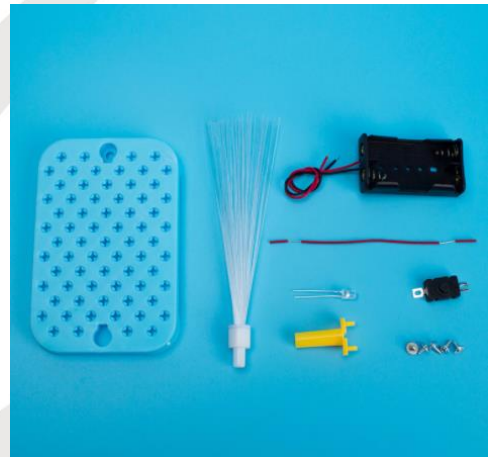
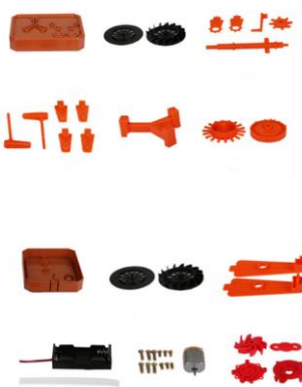
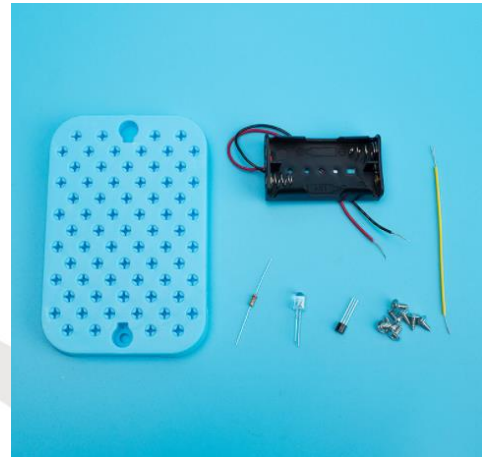
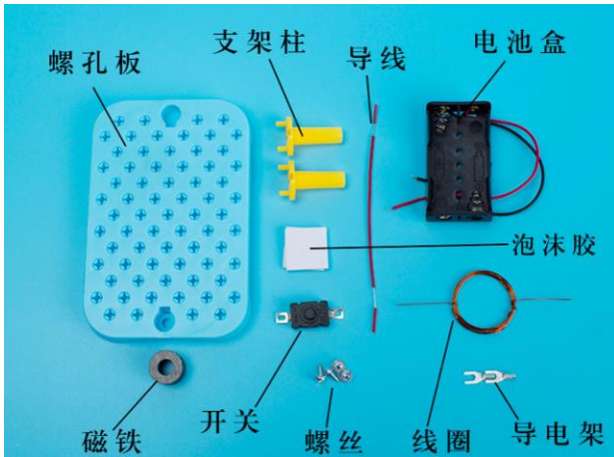


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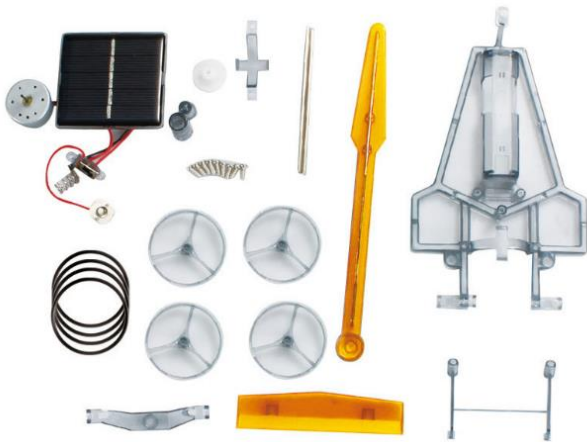


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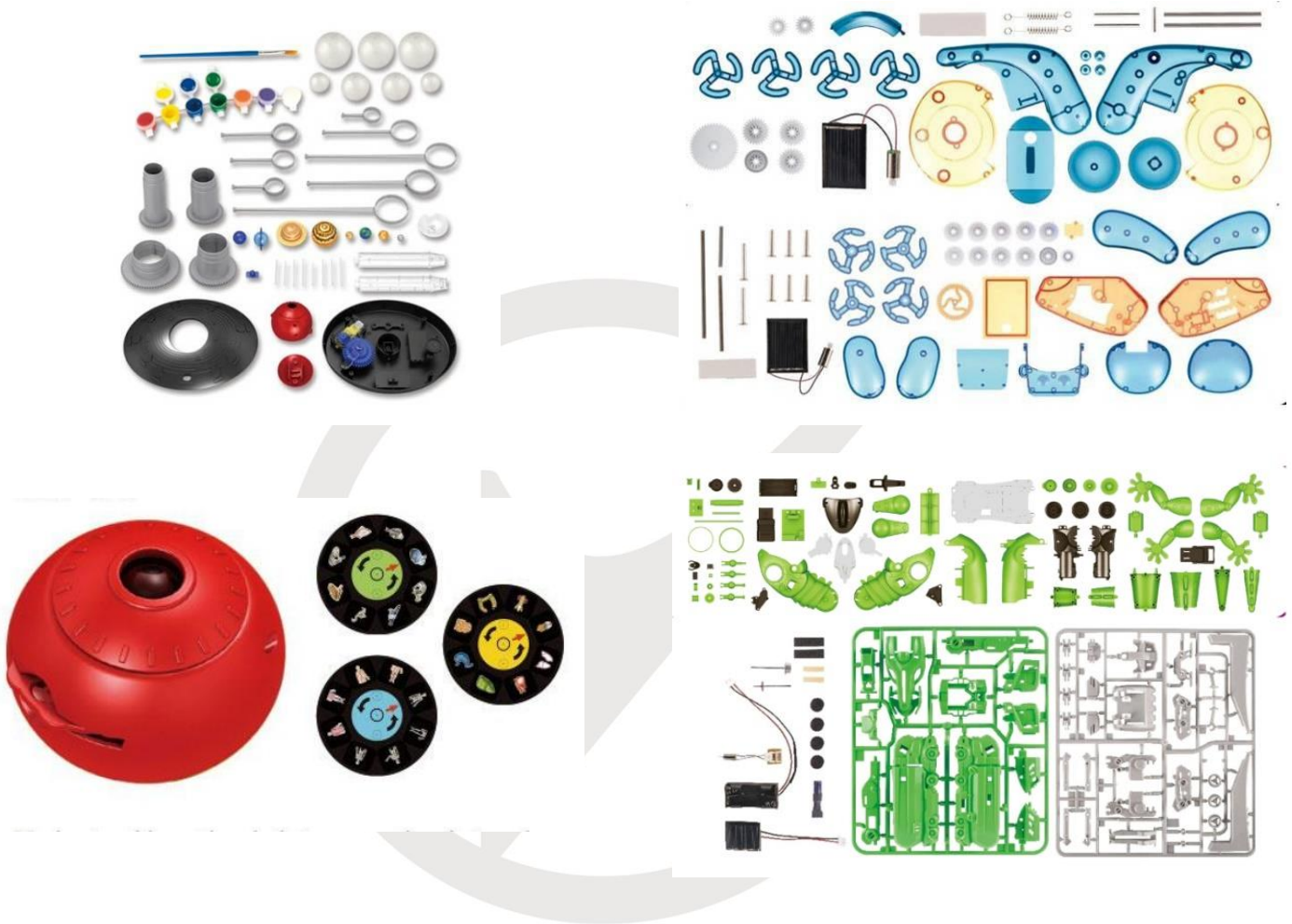


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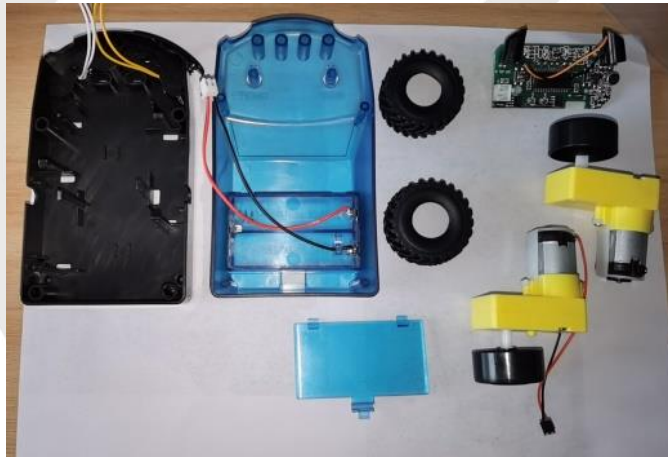
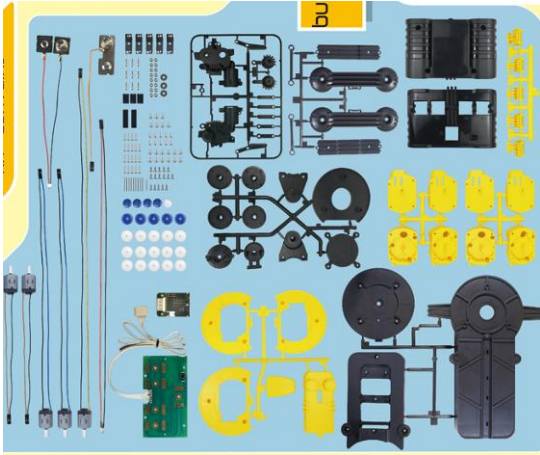


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\*\*\* End of Report \*\*\*

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Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
6. 如因使用本公司中心任何报告内的资料，或任何传播信息所描述与之有关的测试或研究导致的任何损失或损害，本公司概不负责。  
The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
7. 若需要在法院审理程序或者仲裁过程中使用测试报告，客户必须在提交测试样品前将该意图告知本公司。  
Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
8. 该测试报告的支持数据和信息本公司保存 10 年。个别评审机构有特别要求的，检测数据和报告的保存期可依情况变动。一旦超过上述提交的保存期限，数据和信息将被处理掉。任何情况下，本公司不必提供任何被处理的过期数据或信息。即使本公司事先被告知可能会发生相关的损害，本公司在任何情况下也不必承担任何损害，包括（但不限于）补偿性赔偿、利润损失、数据遗失、或任何形式的特殊损害、附带损害、间接损害、从属损害或任何违反约定、违反承诺、侵权（包括疏忽）、产品责任或其他原因的惩罚性损害。  
Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of ten years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

