

Educational Toy

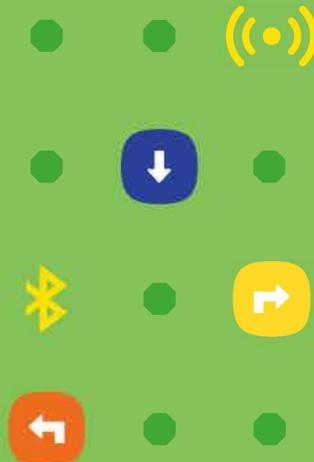
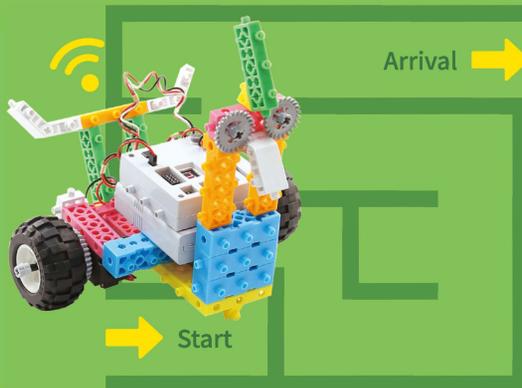
**ROBOTORI**



**CHACHA**

Do Simple Coding With Smart Phone

Do Simple Coding With Smart Phone



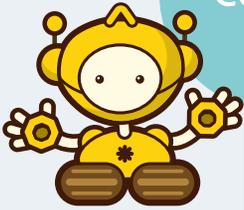
You can develop logical thinking while playing with CHACHA, which is a basic model of the coding education product. You can learn how to code and play using the bluetooth module and smart phone mobile app.

WEB SUPPORT  
[www.robotori.com/moretips](http://www.robotori.com/moretips)

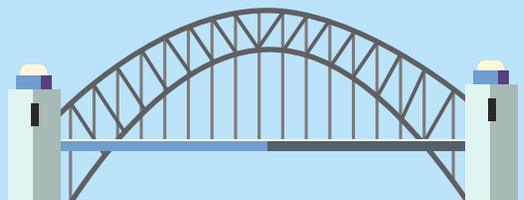


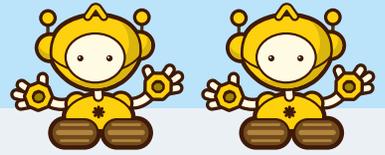


## Content



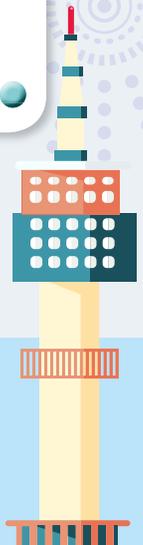
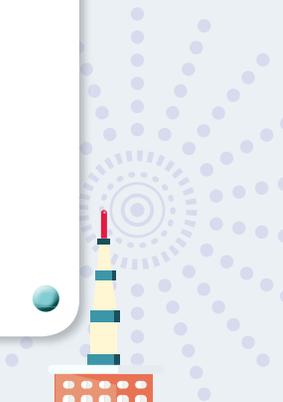
차차 부품리스트 .....	004
차차 매뉴얼 .....	006
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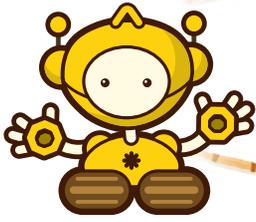




## Content

닭	026
Blue crab	028
Snake bot	030
부엉이	032
사마귀	035
악어	037
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# 부품리스트



## [Heavy Cell]



Diamond H8  
(6)



Diamond H6  
(6)



Diamond V8  
(6)



Diamond V6  
(6)

## [Light Cell]



Rubi 8  
(5)



Rubi 7  
(6)



Rubi 6  
(6)



Rubi 4  
(6)



Rubi 2  
(6)



Rubi 0  
(5)



Mini 2  
(4)



Mini 2  
(4)



Mini 2  
(4)



Mini 1  
(3)

## [Special Cell]



Curve  
(4)



Curve  
(4)



Link  
(6)



Triangle  
(8)



Hexagon  
(1)

### [Axle]



A23  
(3)



A45  
(6)



A64  
(6)



A96  
(2)

### [Gear]



Sawtooth 8  
(2)



Sawtooth 24  
(2)



Sawtooth 12  
(2)



Crown  
(2)



Sawtooth 36  
(4)



Bevel  
(2)

### [Connect]

### [오프로드 바퀴&분리도구]



Short  
Connector  
(6)



Middle  
Connector  
(6)



Off-Road Wheel  
(2)



separating  
tool (1)

### [Electronics Parts]



DC Motor  
(2)



6V Battery  
Case  
(1)



Main Board 8B  
(1)



Connector  
Jack  
(1)



Wired Remote  
Controller  
(1)



Bluetooth  
module  
(1)



# CHACHA Manual



앱스토어에서 ‘ 로키즈앱 ’을 검색하세요.



### Example 1

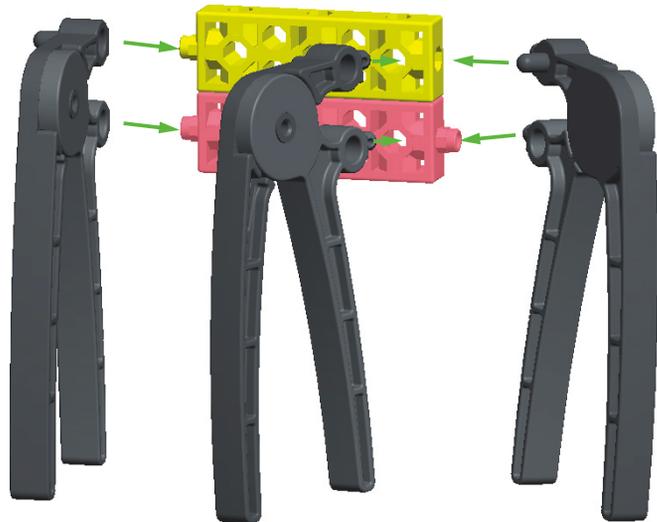
돌기와 돌기를 분리할 때

### Example 2

홀과 홀을 분리할 때

### Example 3

돌기와 홀을 분리할 때



Example 1

Example 2

Example 3



## 메인보드와 유선리모컨 사용법

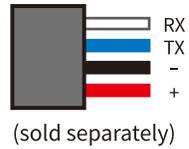


### 메인보드 연결방법

#### MAINBOARD 8B



### 블루투스 모듈



차차 메인보드는 블루투스 모듈과  
유선리모컨 기능만 지원합니다.

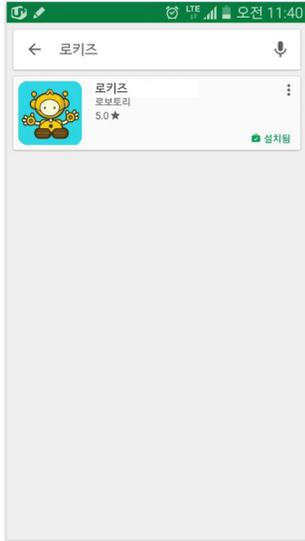
### 유선리모컨





# 로키즈 앱 사용안내

01 앱 스토어에서 '로키즈' 검색 후 설치



02 앱 실행 후 블루투스 ON



03 장비검색 후 모듈네임 클릭



04 장비 연결완료 (초록불 ON)



## 05 앱 메뉴블록 설명



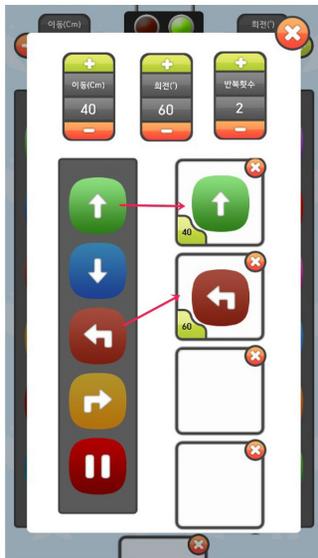
※ 노면 상태, 배터리 용량에 따라 이동 거리 및 각도는 다소 차이가 있을 수 있습니다.

## 06 앱 메뉴블록 사용

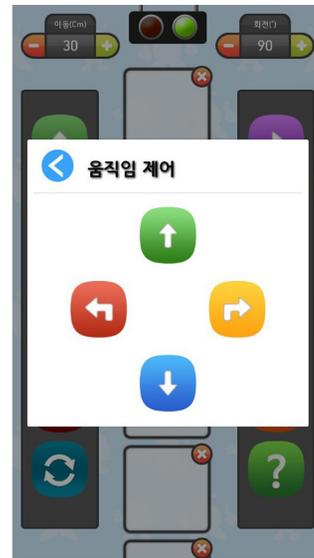


## 07 반복(루프) 사용방법

이동/회전/반복횟수 버튼으로 값을 설정 후 드래그



## 08 리모컨 사용방법



이 매뉴얼은 간단한 사용설명서만을 포함하고 있습니다.  
자세한 내용은 로보토리 홈페이지를 방문해 주세요.  
[www.robotori.com](http://www.robotori.com)

# 01



## 도마뱀

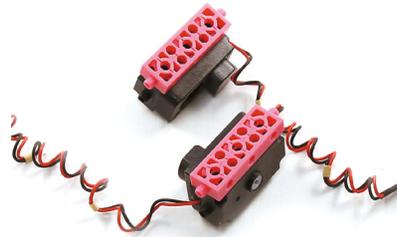


도마뱀 부품리스트 | 모형을 만들어 봅시다.

Diamond H6 (1)	Diamond V8 (2)	Diamond V6 (3)	Rubi 8 (3)	Rubi 7 (2)	Rubi 6 (1)	Rubi 4 (2)	Rubi 2 (4)	Rubi 0 (1)	Mini 2 (2)	Mini 2 (2)	Mini 2 (3)	Mini 1 (1)
Curve (3)	Triangle (4)	Sawtooth 24 (2)	Sawtooth 36 (2)	Middle Connector(2)	Off-Road Wheel(2)	A45 (3)	6V Battery Case (1)	DC Motor (2)	Main Board 8B (1)	Connector Jack (1)	Bluetooth module (1)	

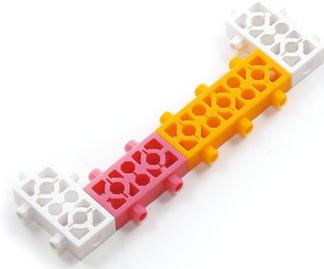
1 ★★★

- ×2
- ×2

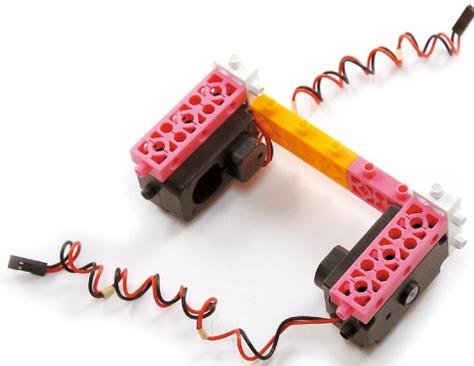


2 ★★★

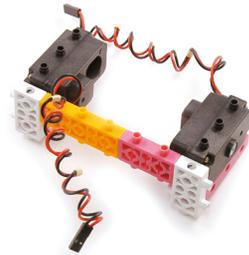
- ×2
- ×1
- ×1



3 ★★★



뒷면



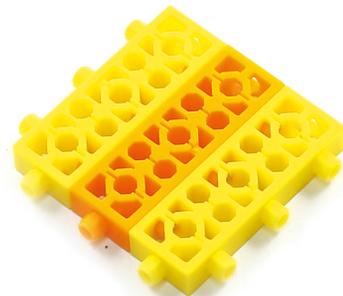
4 ★★★

- ×2
- ×1



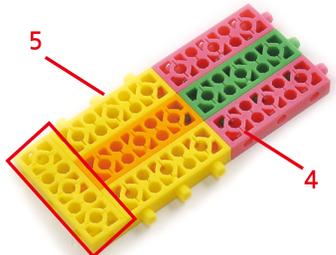
5 ★★★

- ×1
- ×2

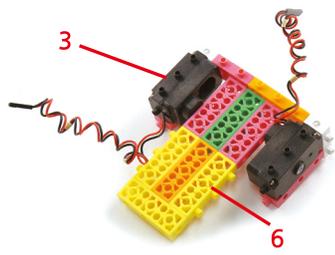


6 ★★★

 ×1

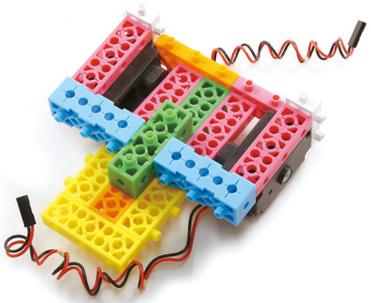


7 ★★★



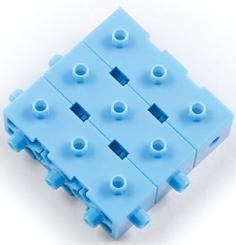
8 ★★★

 ×1  
 ×2

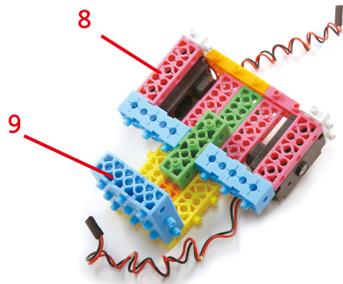


9 ★★★

 ×2  
 ×1

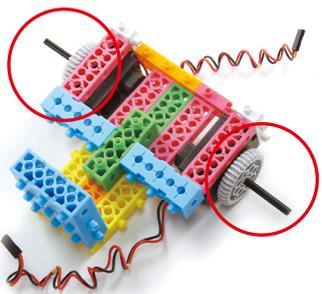


10 ★★★



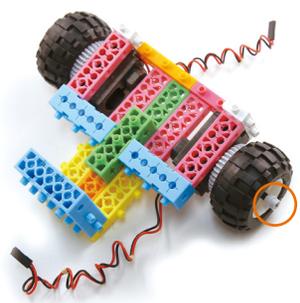
11 ★★★

 ×2  
 ×2  
 A45



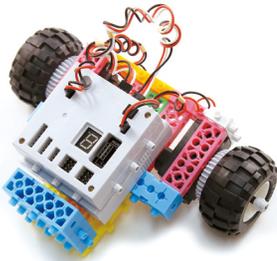
12 ★★★

 ×2  
 ×2



13\*\*\*

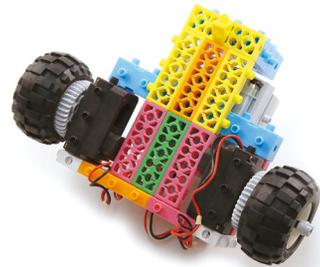
-  ×1
-  ×1
-  ×1



14\*\*\*

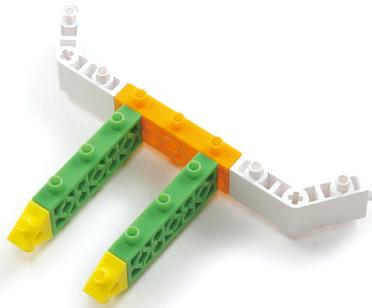
바닥

-  ×1



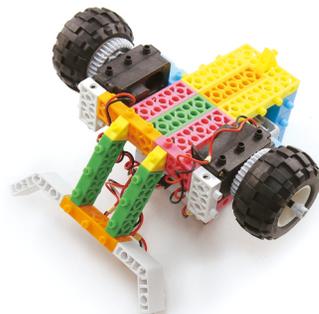
15\*\*\*

-  ×2
-  ×2
-  ×1
-  ×2



16\*\*\*

바닥



# 17\*\*\*

-  ×1
-  ×1
-  ×1
-  ×1

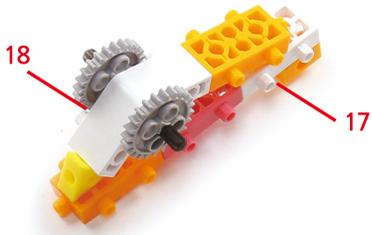


# 18\*\*\*

-  ×1
  -  ×1
  -  ×1
  -  ×2
- ×1  
A45



# 19\*\*\*



# 20\*\*\*

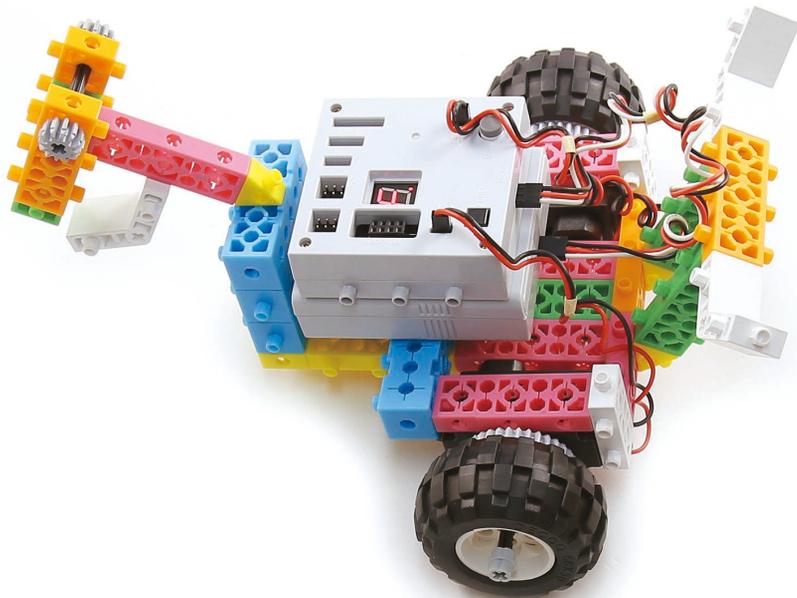


# MEMO

02



# 강아지



강아지 부품리스트 | 모형을 만들어 봅시다.

Diamond H8 (1)	Rubi 6 (2)	Rubi 2 (1)	Curve (1)	Triangle (1)	A45 (1)	Sawtooth12 (2)	The 16th shape of lizard (1)	Wired REMOTE Controller (1)	Bluetooth module (1)			

1 ★★★

 ×1

 ×2

 ×1  
A45

 ×2

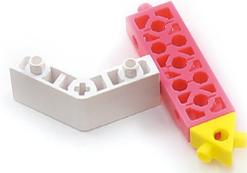


2 ★★★

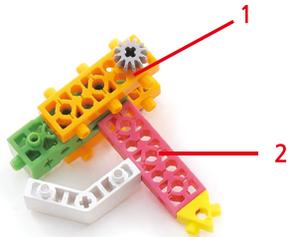
 ×1

 ×1

 ×1



3 ★★★



4 ★★★



도마뱀의 16번째 모형

# MEMO

# 03



## 글래디에이터

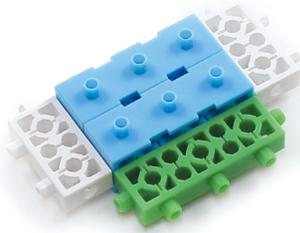


글래디에이터 부품리스트 | 모형을 만들어 봅시다.

Diamond V6 (2)	Rubi 8 (1)	Rubi 7 (2)	Rubi 6 (1)	Rubi 4 (2)	Rubi 0 (2)	Mini 2 (2)	Mini 2 (2)	Triangle (3)	A23 (2)	A96 (1)	Sawtooth 24 (1)	Middle Connector(3)
Sawtooth12 (2)	The 16th shape of lizard (1)	Bluetooth module (1)										

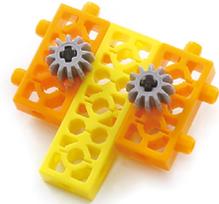
1 ★★★

-  ×2
-  ×2
-  ×1



2 ★★★

-  ×2
-  ×1
-  ×2
-  ×2
-  ×2  
A23

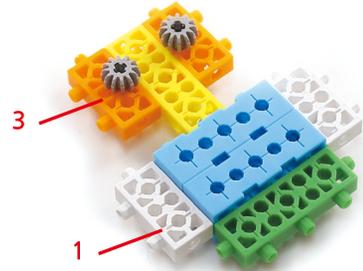


3 ★★★



뒷면

4 ★★★



5 ★★★

-  ×1
-  ×1
-  ×1
-  ×1
-  ×1  
A96



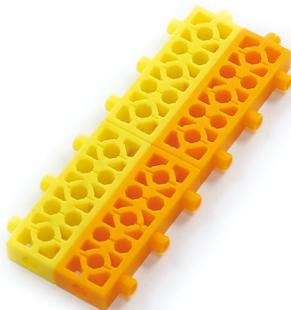
6 ★★★

-  ×1
-  ×2

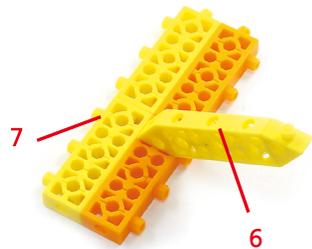


7 ★★★

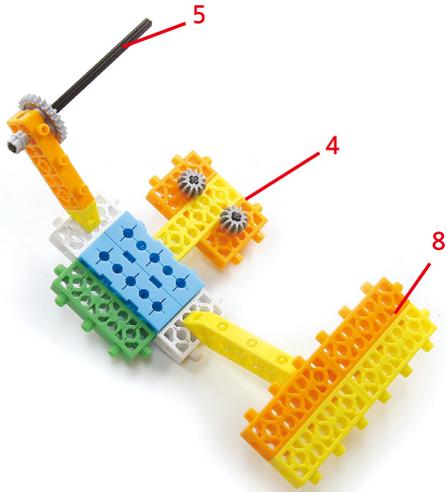
-  ×2
-  ×2



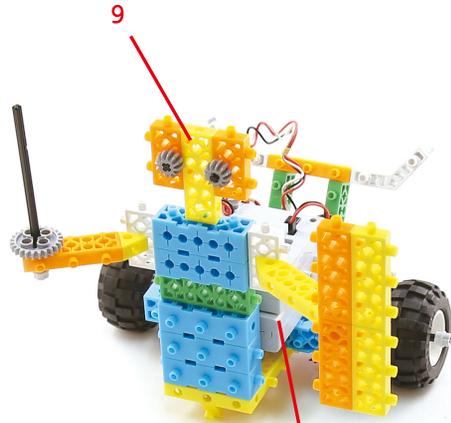
8 ★★★



9\*\*\*



10\*\*\*



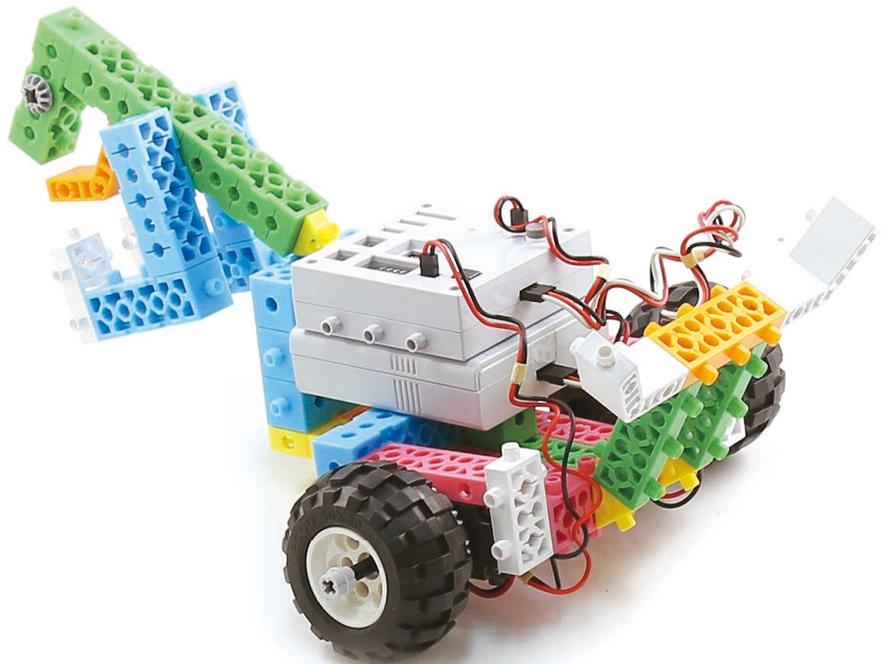
도마뱀의 16번째 모형

## MEMO

# 04



## 공룡

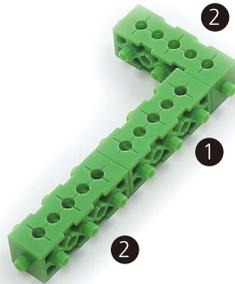


공룡 부품리스트 | 모형을 만들어 봅시다.

Diamond H8 (2)	Diamond H6 (1)	Diamond V8 (2)	Diamond V6 (2)	Curve (1)	Mini 2 (2)	Triangle (1)	A23 (1)	Bevel (2)	The 16th shape of lizard (1)	Bluetooth module (1)		

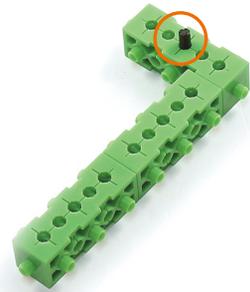
1 ★★★

- ①  ×1
- ②  ×2



2 ★★★

 ×1  
A23



3 ★★★

 ×2



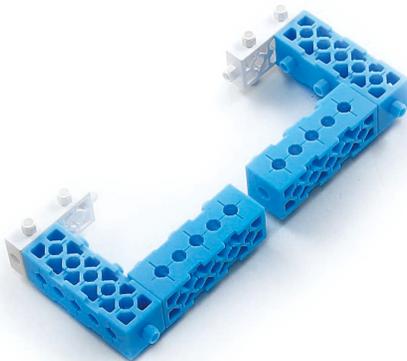
4 ★★★

 ×1  
 ×1

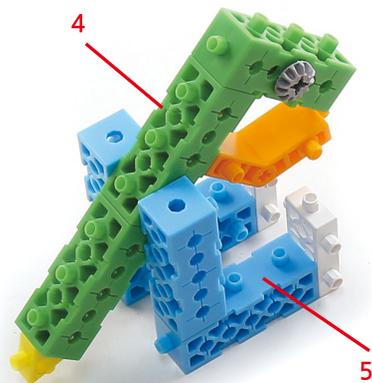


5 ★★★

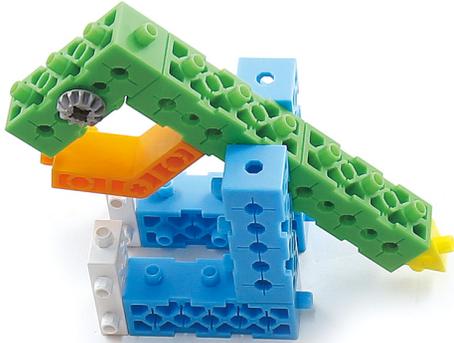
 ×2  
 ×2  
 ×2



6 ★★★



7\*\*\*



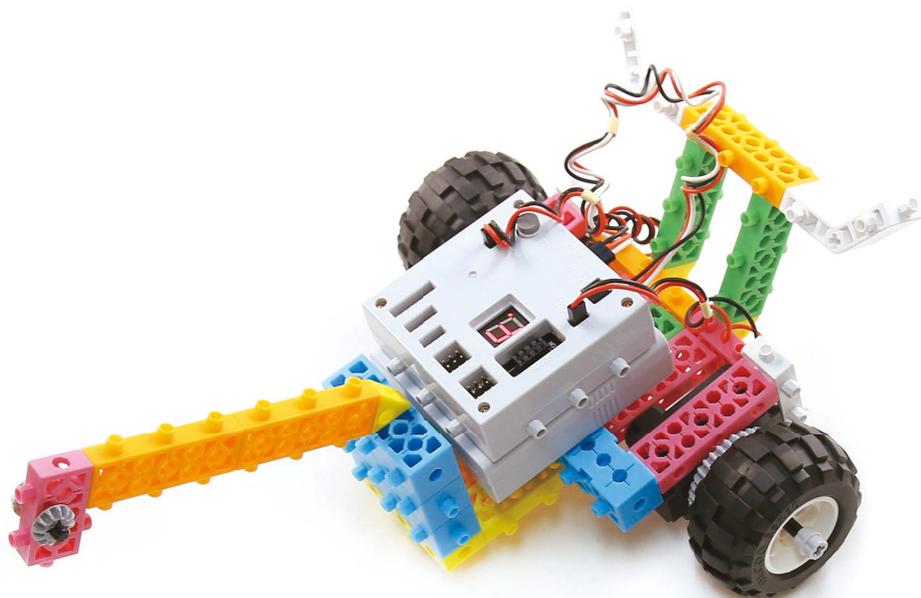
8\*\*\*



MEMO



# 기린



기린 부품리스트 | 모형을 만들어 봅시다.

Rubi 7 (1)	Rubi 6 (1)	Mini 2 (1)	Triangle (1)	A23 (1)	Bevel (2)	The 16th shape of lizard (1)	Bluetooth module (1)						

1 ★★★



×1



×1



2 ★★★



×1



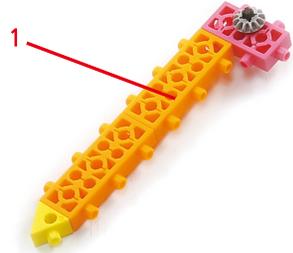
×1



×1  
A23



×2



1

3 ★★★



4 ★★★

3

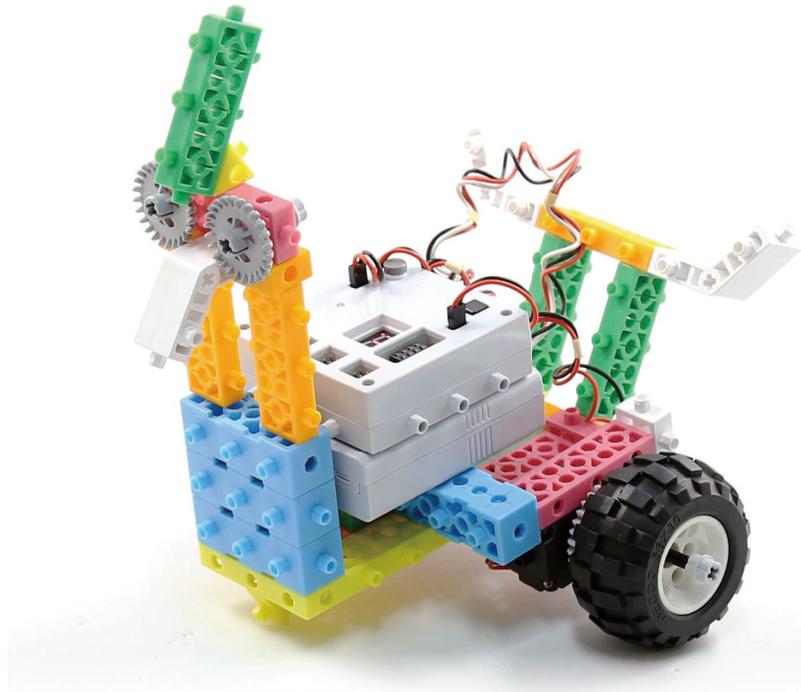


도마뱀의 16번째 모형

MEMO



# 닭

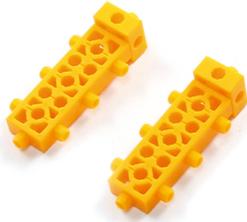


닭 부품리스트 | 모형을 만들어 봅시다.

												
Rubi 8 (1)	Rubi 7 (2)	Rubi 2 (1)	Mini 1 (2)	Curve (1)	Triangle (1)	A23 (2)	Middle Connector (2)	Crown (2)	The 16th shape of lizard (1)	Bluetooth module (1)		

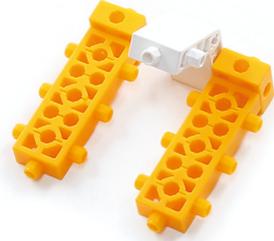
1 ★★★

-  ×2
-  ×2



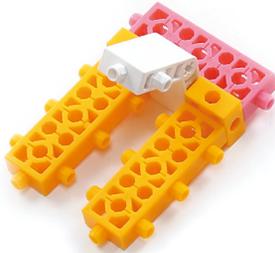
2 ★★★

-  ×1



3 ★★★

-  ×1



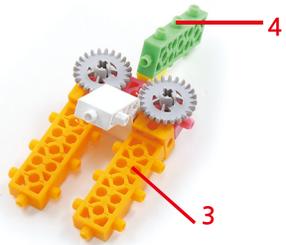
4 ★★★

-  ×1
-  ×1



5 ★★★

-  ×2
-  ×2
-  ×2  
A23



6 ★★★

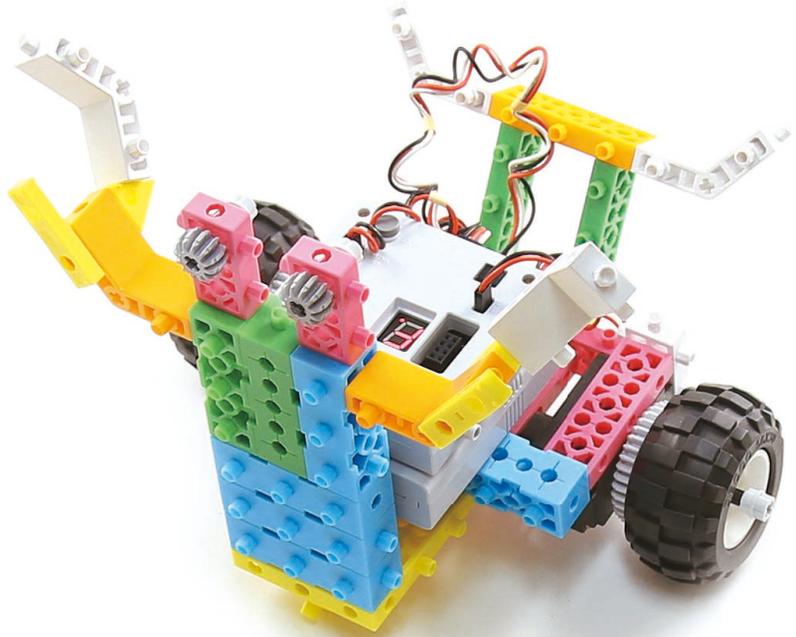


MEMO

# 07



## Blue Crab

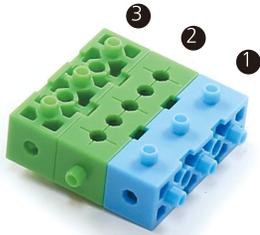


Blue Crab 부품리스트 | 모형을 만들어 봅시다.

Diamond H8 (1)	Diamond H6 (1)	Diamond V6 (1)	Mini 2 (2)	Curve (2)	Triangle (2)	Curve (2)	Link (2)	A23 (2)	Sawtooth12 (2)	Middle Connector(2)	The 16th shape of lizard (1)	Bluetooth module (1)

1 ★★★

- ①  ×1
- ②  ×1
- ③  ×1

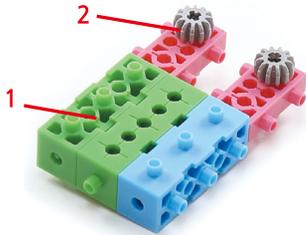


2 ★★★

-  ×2
-  ×2
-  ×2
-  ×2  
A23



3 ★★★

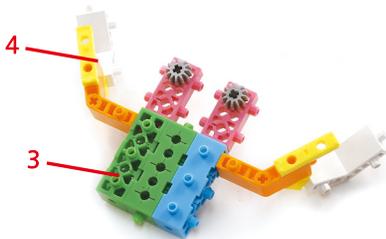


4 ★★★

-  ×2
-  ×2
-  ×2
-  ×2

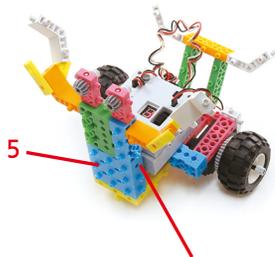


5 ★★★



MEMO

6 ★★★

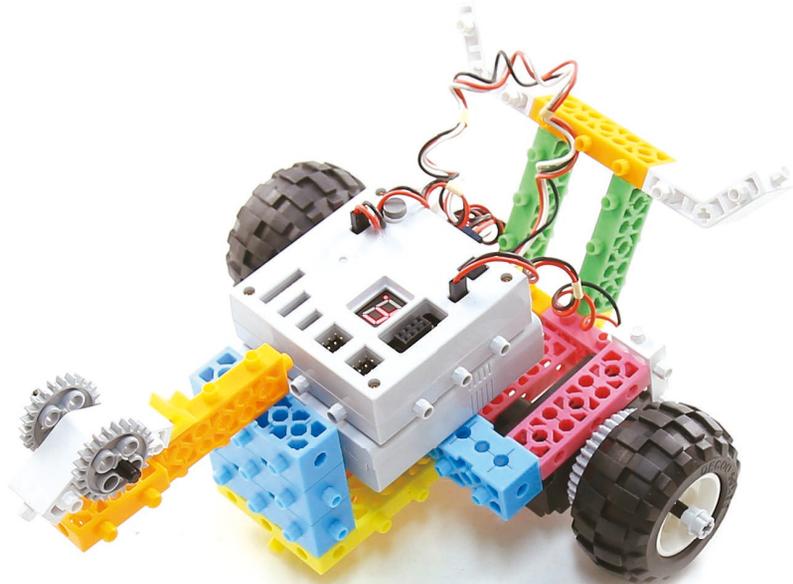


도마뱀의 16번째 모형

08



# Snake bot



Snake bot 부품리스트 | 모형을 만들어 봅시다.

Rubi 7 (1)	Mini 2 (1)	Curve (1)	Triangle (1)	A45 (1)	Sawtooth 24 (2)	The 16th shape of lizard (1)	Bluetooth module (1)						

1 ★★★

×1

×1

×2

×1  
A45



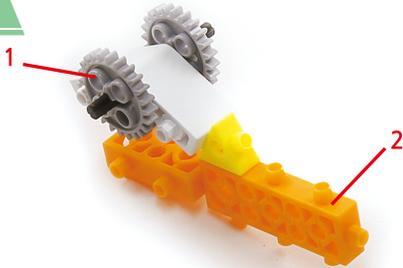
2 ★★★

×1

×1



3 ★★★



4 ★★★

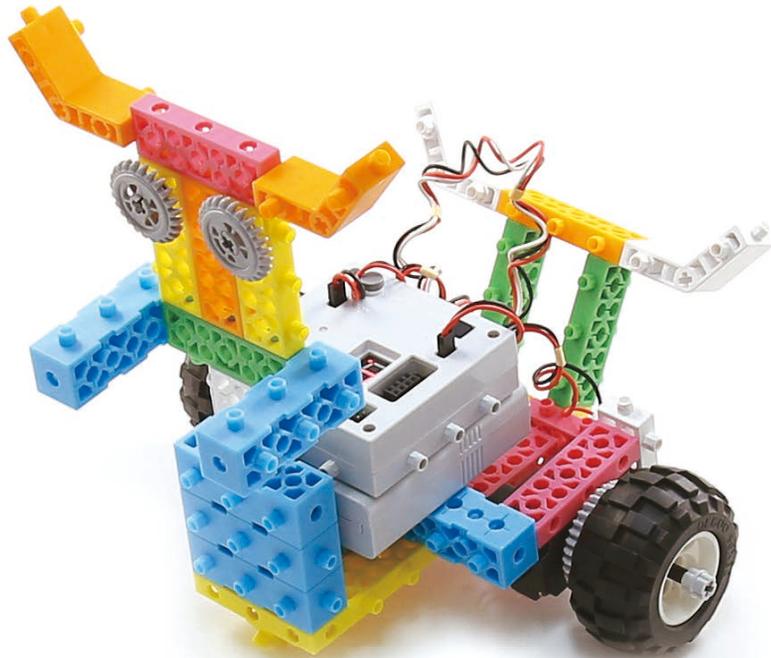


도마뱀의 16번째 모형

# MEMO



# 부엉이

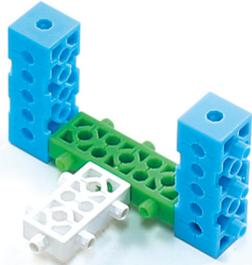


부엉이 부품리스트 | 모형을 만들어 봅시다.

											
Diamond V6 (2)	Rubi 8 (1)	Rubi 7 (1)	Rubi 2 (1)	Rubi 4 (2)	Mini 2 (1)	Curve (2)	Crown (2)	Middle Connector(2)	A23 (2)	The 16th shape of lizard (1)	Bluetooth module (1)

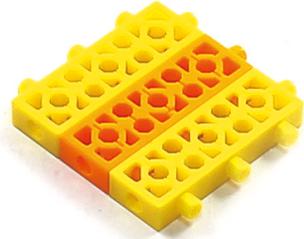
1 ★★★

-  ×2
-  ×1
-  ×1



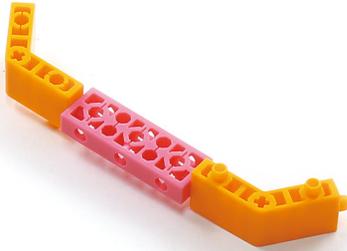
2 ★★★

-  ×1
-  ×2

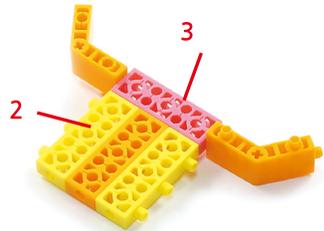


3 ★★★

-  ×1
-  ×2

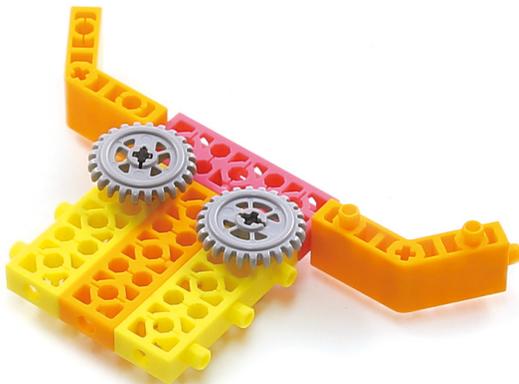


4 ★★★



5 ★★★

-  ×2
-  ×2
-  ×2



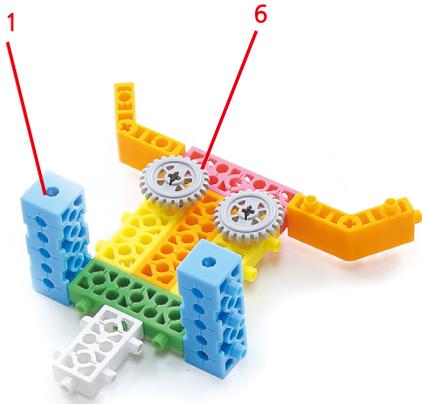
front

6 ★★★



뒷면

7\*\*\*



8\*\*\*

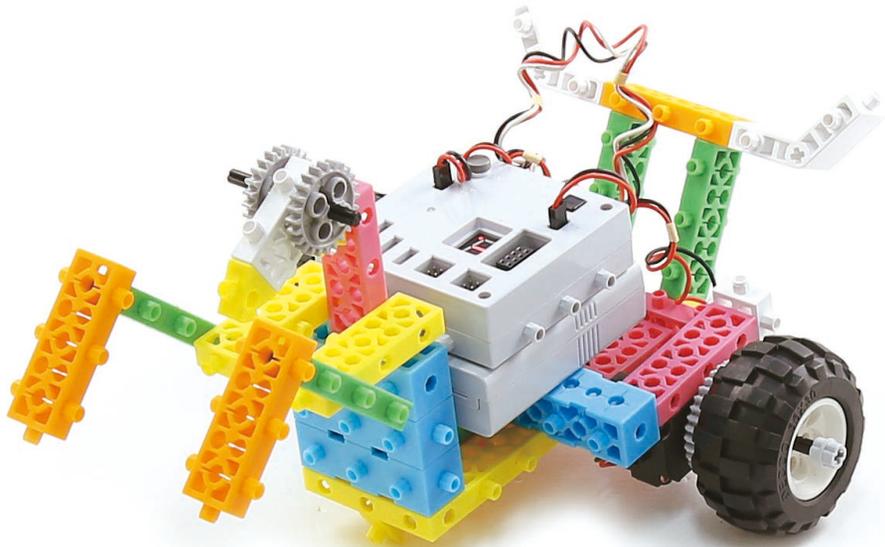


# MEMO

# 10



## 사마귀

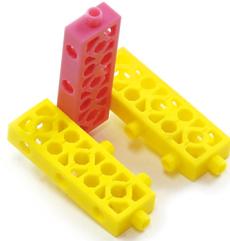


사마귀 부품리스트 | 모형을 만들어 봅시다.

Rubi 8 (2)	Rubi 7 (2)	Rubi 4 (2)	Rubi 2 (1)	Mini 2 (1)	Triangle (2)	Sawtooth 24 (2)	A45 (1)	The 16th shape of lizard (1)	Bluetooth module (1)			

1 ★★★

- ×2
- ×1



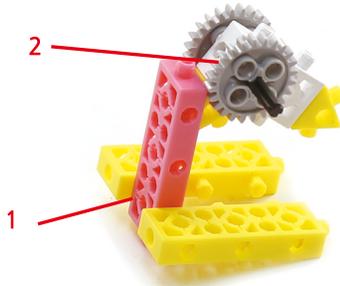
2 ★★★

- ×1
- ×2
- ×2
- ×1  
A45



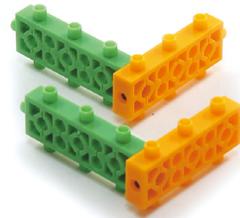
A45

3 ★★★

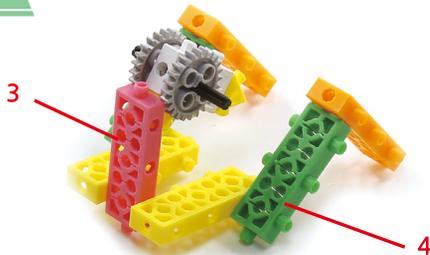


4 ★★★

- ×2
- ×2



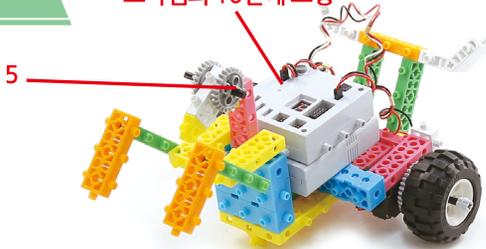
5 ★★★



MEMO

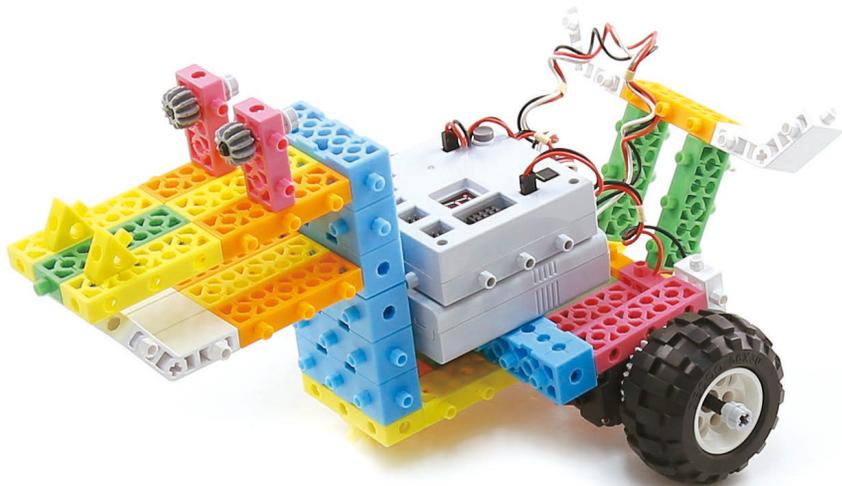
6 ★★★

도마뱀의 16번째 모형





## 악어

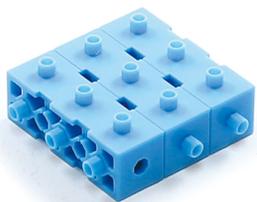


악어 부품리스트 | 모형을 만들어 봅시다.

Diamond V8 (2)	Diamond V6 (1)	Rubi 8 (1)	Rubi 7 (2)	Rubi 6 (2)	Rubi 0 (4)	Mini 2 (2)	Curve (3)	Triangle (2)	Sawtooth12 (2)	A23 (2)	Middle Connector(2)	The 16th shape of lizard (1)
Bluetooth module (1)												

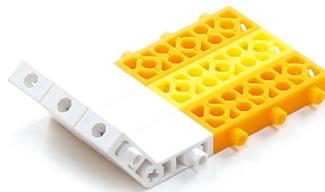
1 ★★★

- ×2
- ×1



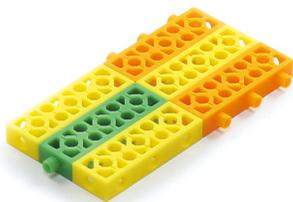
2 ★★★

- ×2
- ×1
- ×3



3 ★★★

- ×2
- ×1
- ×3



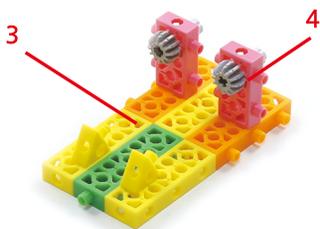
4 ★★★

- ×2
- ×2
- ×2
- ×2
- A23



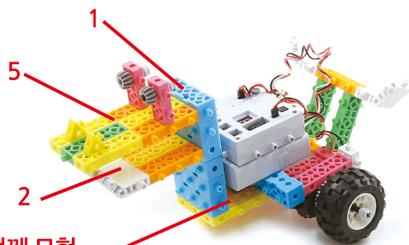
5 ★★★

- ×2



MEMO

6 ★★★



도마뱀의 16번째 모형

# 12



## E.T



E.T 부품리스트 | 모형을 만들어 봅시다.

Rubi 8 (1)	Rubi 0 (1)	Rubi 2 (1)	Mini 2 (2)	Curve (2)	Curve (2)	Triangle (2)	Middle Connector(2)	Crown (2)	Sawtooth8 (2)	A45 (2)	The 16th shape of lizard (1)	Bluetooth module (1)

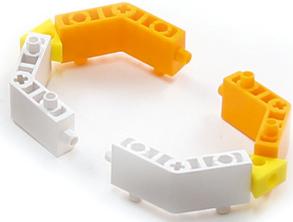
1 ★★★

-  ×1
-  ×1

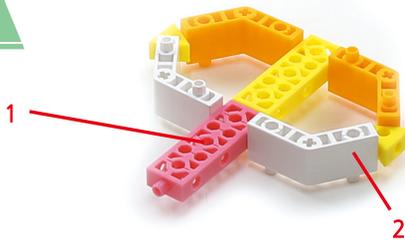


2 ★★★

-  ×2
-  ×2
-  ×2

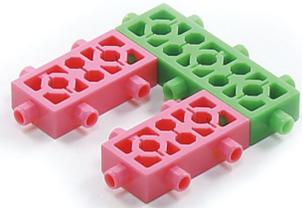


3 ★★★

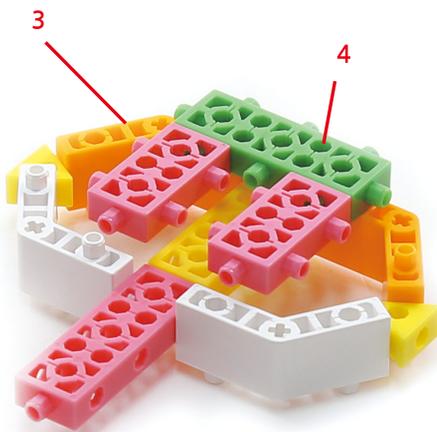


4 ★★★

-  ×1
-  ×2



5 ★★★



6 ★★★

-  ×2
-  ×2
-  ×2
-  ×2



7\*\*\*

뒷면



8\*\*\*



MEMO

CHACHA

Do Simple Coding With Smart Phone

Educational Toy  
ROBOTORI