### Warmer

1. What happens if the classroom floor loses friction?

o into the classroom, and you can't stop.

2. In daily life, what are the items produced by reducing friction?

直排輪上的輪子

3. In daily life, which items are produced by increasing friction?

登山鞋的紅跑

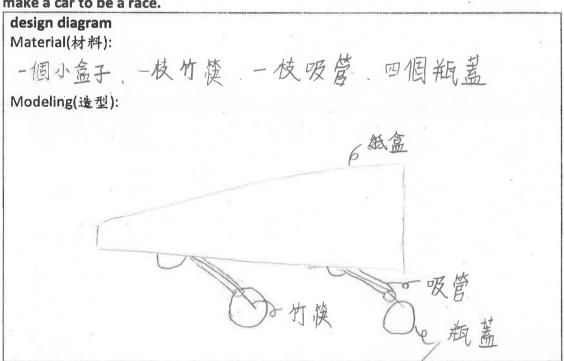
Language: Please read the following sentences

friction (摩擦力) material (材質)

1. Friction is influenced by the material of the contact surface of the object.

### **Content**

Watch a video of <u>Top 10 Crashes from London's Red Bull Soapbox Race</u> (5:40) and make a car to be a race.



K(What I know)	W(What I want to know)	L(What I have learned)
我望到接觸力	如里於了有麻擦	如里鄭老師
	大 个 年刊 丁 勺 月 丁木	E 7 M L AL W
和趋重力	2 到半海面, 瀛	啊」綠色取料
	宫在厨上图力。117	命下, 样, 9 x6
4	三为/等了年月%的!	5 Company

W	ar	m	ei

1. What happens if the classroom floor loses friction?

It will move forever.

2. In daily life, what are the items produced by reducing friction?

3. In daily life, which items are produced by increasing friction?

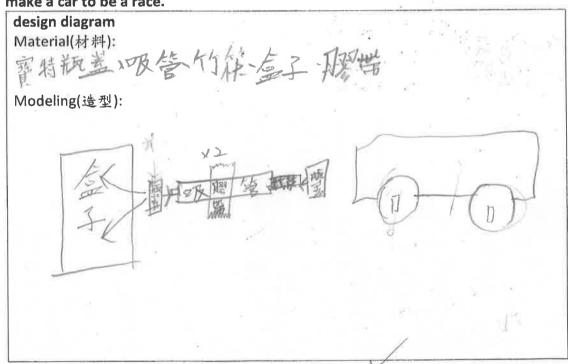
Language: Please read the following sentences

friction (摩擦力) material (材質)/

1. Friction is influenced by the material of the contact surface of the object.

### Content

Watch a video of Top 10 Crashes from London's Red Bull Soapbox Race (5:40) and make a car to be a race.



K(What I know)	W(What I want to know)	L(What I have learned)
麻城,但事也。	女學郭文色而思	STEAM讓作量的
1/2 7 % 1 1 1	7-V/5-6-2-14	
	可能和重到會	
	您我? 玩物	

6 B Class 24 Number Name: Sophia

### Force and movement-Friction

#### Warmer

1. What happens if the classroom floor loses friction?

go into the

classroom, and you can't

2. In daily life, what are the items produced by reducing friction?

直排輪、潤滑油

3. In daily life, which items are produced by increasing friction? 寶特瓶蓋、登山鞋

Language: Please read the following sentences

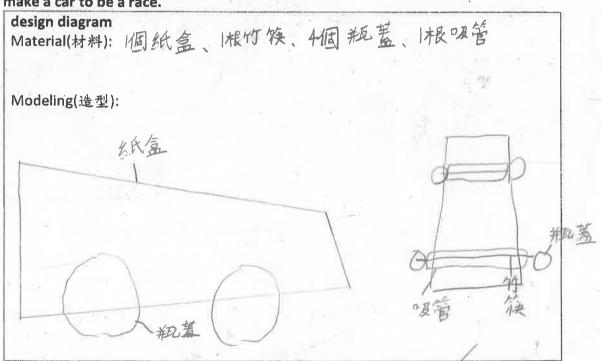
friction (摩擦力)

material (材質) ~

1. Friction is influenced by the material of the contact surface of the object.

#### Content

Watch a video of Top 10 Crashes from London's Red Bull Soapbox Race (5:40) and make a car to be a race.



Thinking

K(What I know)	W(What I want to know)	L(What I have learned	
flow to reducing	I want to	I want to	
friction and increasi	ng know if paper	know if Jrink	
friction.	no friction how	the acidic rain	

12

#### Warmer

1. What happens if the classroom floor loses friction?

It will move forever.

2. In daily life, what are the items produced by reducing friction?

鞋底級路

3. In daily life, which items are produced by increasing friction?



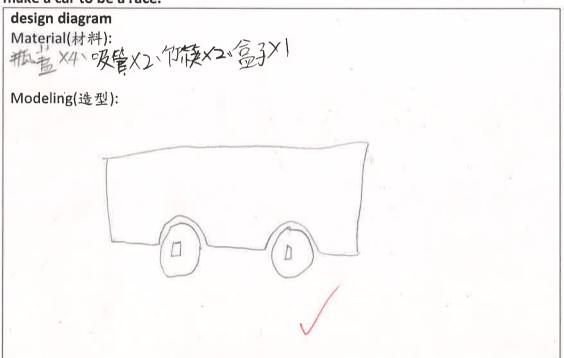
Language: Please read the following sentences

friction (摩擦力) material (材質)

1. Friction is influenced by the material of the contact surface of the object.

### Content

Watch a video of <u>Top 10 Crashes from London's Red Bull Soapbox Race</u> (5:40) and make a car to be a race.



**Thinking** 

· ...

W(What I want to know)	L(What I have learned
@怎樣鼢莫快	言課雖學3很多
@如果老師場水管在你	但我比较想的
到童生楼	载重数 治動.
	W(What I want to know) ①怎樣與夏快 ②如果的過水管疏解

53 Class 19	Number Name:	Vickle

#### Warmer

1. What happens if the classroom floor loses friction?

You aways

MOVE

and you

Cant

stand

2. In daily life, what are the items produced by reducing friction?

推車上的輪子

3. In daily life, which items are produced by increasing friction?

登山鞋下的纹路

Language: Please read the following sentences

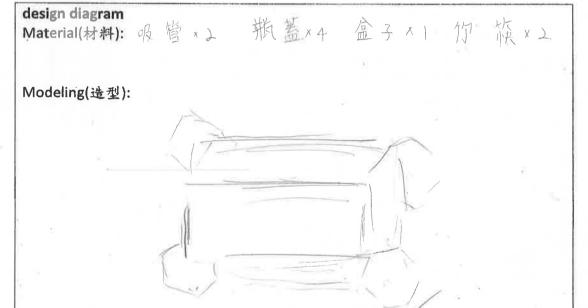
friction (摩擦力) m

material (材質) ✓

1. Friction is influenced by the material of the contact surface of the object.

### Content

Watch a video of <u>Top 10 Crashes from London's Red Bull Soapbox Race</u> (5:40) and make a car to be a race.



K(What I know)	What I know) W(What I want to know)	
	擦力會怎樣?	I want to know why my test can't have one hundredsix.

AD .	_			4.1
SB Class	22	Number	Name:	Nami
				-

林庭伊

#### Warmer

1. What happens if the classroom floor loses friction?
一骨出数室、撞至J東西

2. In daily life, what are the items produced by reducing friction? 在門軸上加引。由

3. In daily life, which items are produced by increasing friction?

在并瓦蓋表面加上家以於文

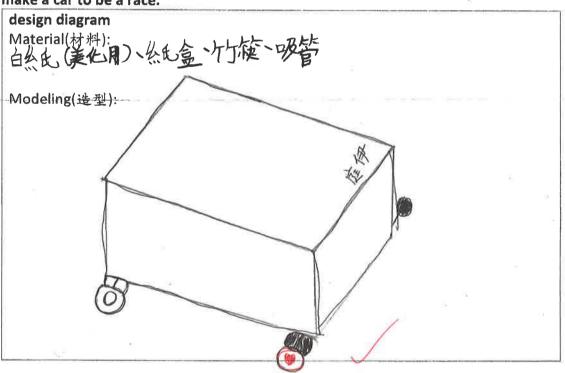
Language: Please read the following sentences

friction (摩擦力) material (材質)

1. Friction is influenced by the material of the contact surface of the object.

### Content

Watch a video of <u>Top 10 Crashes from London's Red Bull Scapbox Race</u> (5:40) and make a car to be a race.



K(What I know)	W(What I want to know)	L(What I have learned)
联知道接觸力、超距力	我想知道老師會不會-直講笑話。	在這一課很好玩因為可以 估处車子。
:		

# At

### Force and movement-Friction

#### Warmer

- 1. What happens if the classroom floor loses friction? 滑出教室、撞上物品。
- 2. In daily life, what are the items produced by reducing friction?

  [ ] 上 建 上 潤 油 ( 漢 ) ( 字 探 力 )



Language: Please read the following sentences

friction (摩擦力) material (材質)

1. Friction is influenced by the material of the contact surface of the object.

#### Content

Watch a video of <u>Top 10 Crashes from London's Red Bull Soapbox Race</u> (5:40) and make a car to be a race.

### design diagram

Material(材料):

吸管、瓶蓋、身體(車身), 竹籬

Modeling(造型):



K(What I know)	W(What I want to know)	L(What I have learned)
我知道 彈 性有限度。 超過了限度,會變	我想知道如果車子 走的路一直是斜坡 ,會不會翻車。	我學到超距力和接觸力的意思。

#### Warmer

1. What happens if the classroom floor loses friction?

2. In daily life, what are the items produced by reducing friction? 在門軸上加了閩湯油

3. In daily life, which items are produced by increasing friction?

在并瓦蒸表面加上东山长文

Language: Please read the following sentences

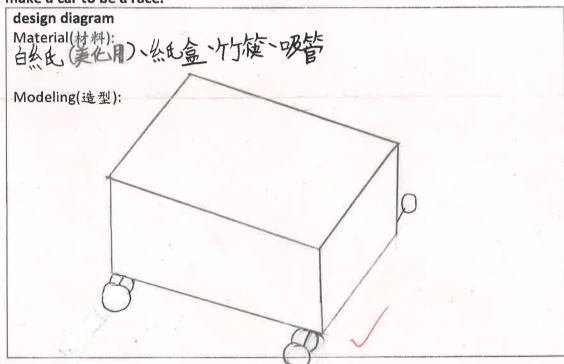
friction (摩擦力)

material (材質)

1. Friction is influenced by the material of the contact surface of the object.

### Content

Watch a video of Top 10 Crashes from London's Red Bull Soapbox Race (5:40) and make a car to be a race.



Thinking

K(What I know)	W(What I want to know)	L(What I have learned)
起至方、接觸	更多如何分类更方法	這少比賽,我要伸了上面 見比神野,發來,陽出銀的路 片) 我爱跟同學開玩笑說 二「林河受傷了)我的妻子要
	- Mexicon	輸了の」

12

<u> </u>	28	Number Name:	了各户意	

#### Warmer

- 1. What happens if the classroom floor loses friction? 滑出皱室撞到東南。
- 2. In daily life, what are the items produced by reducing friction? 生動的門力。自或用輪子
- 3. In daily life, which items are produced by increasing friction? 在工具内侧有凹凸的微起以以防温

Language: Please read the following sentences

friction (摩擦力)

material (材質)

1. Friction is influenced by the material of the contact surface of the object.

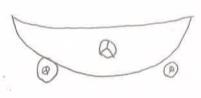
### Content

Watch a video of Top 10 Crashes from London's Red Bull Soapbox Race (5:40) and make a car to be a race.

design diagram

Material(材料):AF自盒外竹类以形式数4、吸管X2

Modeling(造型):



K(What I know)	W(What I want to know)	L(What I have learned)
梅爾加及超距九	更物有關的智慧意	我更用半唐里盆作車車(5)
		馬曲
	*	H 5

	5B Class	7	Number Name:	Benjamin
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### Warmer

- 1. What happens if the classroom floor loses friction? 滑坡室
- 3. In daily life, which items are produced by increasing friction? 福滑出教室

Language: Please read the following sentences

friction (摩擦力) material (材質)

1. Friction is influenced by the material of the contact surface of the object.

### **Content**

Watch a video of <u>Top 10 Crashes from London's Red Bull Soapbox Race</u> (5:40) and make a car to be a race.

200	*
	*
	, ")

K(What I know)	W(What I want to know)	L(What I have learned)
为的運用	更多有關自然、的東西	要覺得力是一種日常的 試 但有一些力是不能 除的の
		1

### Warmer

1. What happens if the classroom floor loses friction? 重滑倒,式飛出教室

2. In daily life, what are the items produced by reducing friction? 用上举上的 油

3. In daily life, which items are produced by increasing friction?

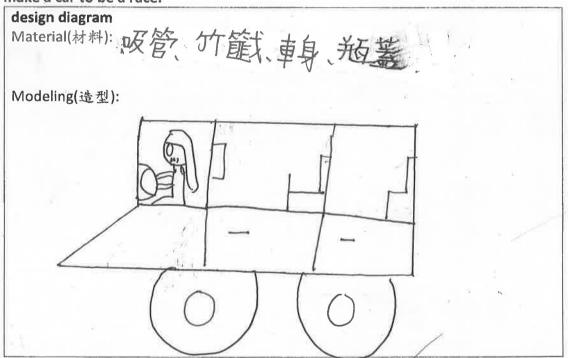


friction (摩擦力) material (材質)

1. Friction is influenced by the material of the contact surface of the object.

### Content

Watch a video of Top 10 Crashes from London's Red Bull Soapbox Race (5:40) and make a car to be a race.



K(What I know)	W(What I want to know)	L(What I have Jearned)
我學到了可以用小	我還想知道	拔辔到这此77和
小的材料做出	由不是否可以在	的音思
-4 -1	40 6 7 7	1 1 76.70
可爱的()庫重.	海上打走	

5b Class 18 Number Name: Penny 何那

### Force and movement- Friction

### Warmer

- 1. What happens if the classroom floor loses friction?
  You can't cland up, and everybody will be floating and can't stop.
- 2. In daily life, what are the items produced by reducing friction?
- 3. In daily life, which items are produced by increasing friction? 止 湯鑑

Language: Please read the following sentences

friction (摩擦力) material (材質)

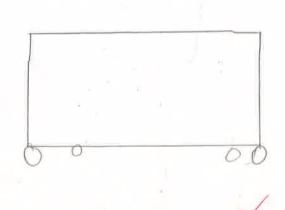
1. Friction is influenced by the material of the contact surface of the object.

### Content

Watch a video of <u>Top 10 Crashes from London's Red Bull Soapbox Race</u> (5:40) and make a car to be a race.

design diagram Material(材料): 紙蓋·竹籃、小盒子- 內管

Modeling(造型):



**Thinking** 

% 44. ∰

K(What I know)	W(What I want to know)	L(What I have learned)
I don't know anything.	Pig距最快可以多次,	超距力和接觸力
	E	
Y		/

### Warmer

- 1. What happens if the classroom floor loses friction? 會漫來過去
- 2. In daily life, what are the items produced by reducing friction? 门到温油
- 3. In daily life, which items are produced by increasing friction?止为常

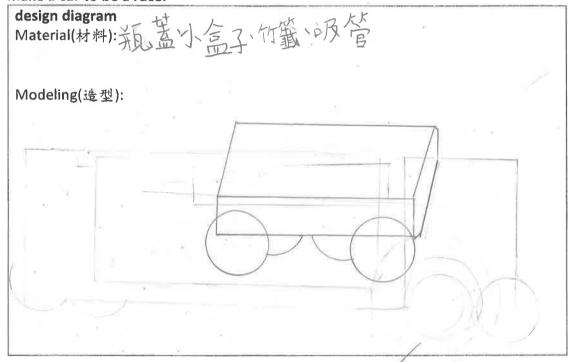
Language: Please read the following sentences

friction (摩擦力) material (材質)

1. Friction is influenced by the material of the contact surface of the object.

### Content

Watch a video of <u>Top 10 Crashes from London's Red Bull Soapbox Race</u> (5:40) and make a car to be a race.



Thinking

.

K(What I know)	W(What I want to know)	L(What I have learned)
I don't now anythings.	力氣最大的是言住	起距为如持觸
	V V	

5B Class	<u>и</u> Number	Name: Josy	超後4署	At
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### Warmer

1. What happens if the classroom floor loses friction?

You don't stand

2. In daily life, what are the items produced by reducing friction?

直排輪有輪子

3. In daily life, which items are produced by increasing friction?

并气蓋有粗糙部分。

Language: Please read the following sentences

friction (摩擦力) material (材質)

1. Friction is influenced by the material of the contact surface of the object.

### Content

Watch a video of <u>Top 10 Crashes from London's Red Bull Soapbox Race</u> (5:40) and make a car to be a race.



K(What I know)	W(What I want to know)	L(What I have learned)
<b>能知道</b> 对有方向小	我想知道跑最少是的生物。	我好喜歡這堂
2	1774	at

58 Class > Number Name: Keira

## Force and movement- Friction

### Warmer

- 1. What happens if the classroom floor loses friction? 大家-動就停不來
- 2. In daily life, what are the items produced by reducing friction? 在門軸上塗潤滑油
- 3. In daily life, which items are produced by increasing friction? 上滑網

Language: Please read the following sentences

friction (摩擦力) material (材質)

1. Friction is influenced by the material of the contact surface of the object.

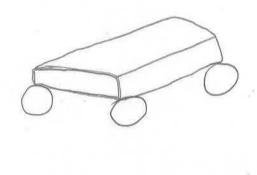
### Content

Watch a video of Top 10 Crashes from London's Red Bull Soapbox Race (5:40) and make a car to be a race.

### design diagram

Material(材料): 机盖、竹籤、小盒子、口及管

Modeling(造型):



K(What I know)	W(What I want to know)	L(What I have learned)
no .		超距为(non-concact force)
	*	磁浮列車
	*	

西麦 Class 9 Number Name: 库邦名 A+

### Force and movement-Friction

M	M.	ar	m	0	×
·w	W	a ſ	ш	ш	r

1. What happens if the classroom floor loses friction?

① 魯弘到《無法修陳》 鱼差到东西

2. In daily life, what are the items produced by reducing friction?

①在門軸加三閏三畳油 卷井輪加溪輪

3. In daily life, which items are produced by increasing friction?



Language: Please read the following sentences

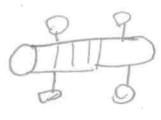
friction (摩擦力) material (材質)

1. Friction is influenced by the material of the contact surface of the object.

### Content

Watch a video of <u>Top 10 Crashes from London's Red Buil Soapbox Race</u> (5:40) and make a car to be a race.

Modeling(造型):



K(What I know)	W(What I want to know)	L(What I have learned)
我的活了	1. 清州水川水本黑	我的得完力
the the state of	温 的 图	the least
17 TO THE YEAR	THE PARTY OF THE PARTY OF	· 利利 (1)
<b>并</b> D外D部	的	<b>南</b> 东下次爱的
	為級不到	\

#### Warmer

1. What happens if the classroom floor loses friction? 1. You count stand. 2.

2. In daily life, what are the items produced by reducing friction?

I. The rolor skate is a shoes but it has friction.

wheels to reducing

3. In daily life, which items are produced by increasing friction?
The bottle has some with your can take the object easier

Language: Please read the following sentences

friction (摩擦力) material (材質)

1. Friction is influenced by the material of the contact surface of the object.

#### Content

Watch a video of Top 10 Crashes from London's Red Bull Soapbox Race (5:40) and make a car to be a race.



Thinking

1

K(What I know)	W(What I want to know)	L(What I have learned)	
1. The force can make	如果在地心會不會	A force 分类原成cont	act force
an object move.	SAI 1th 31 154		
7. In the same time, Whe	受到地心引力的影	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
the distance far, It's faste	2000 0		/

5B Class 12 Number Name: Eva	
------------------------------	--

# Att

### Force and movement-Friction

### Warmer

- 1. What happens if the classroom floor loses friction?
  You can't stand.
- 2. In daily life, what are the items produced by reducing friction?

  The rolor skate is a shoes but it has wheels to reducing friction.
- 3. In daily life, which items are produced by increasing friction?
  The buttle has some 紋路, You can take the object easier.

Language: Please read the following sentences
friction (摩擦力) material (材質)

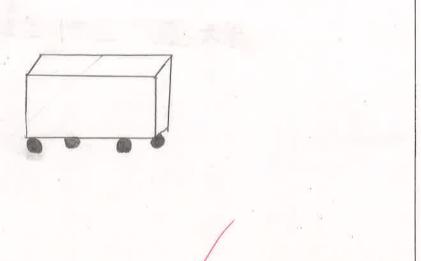
1. Friction is influenced by the material of the contact surface of the object.

### Content

Watch a video of <u>Top 10 Crashes from London's Red Bull Soapbox Race</u> (5:40) and make a car to be a race.

design diagram
Material(材料): 肥皂盒, 瓶蓋、竹雞、吸管。

Modeling(造型):



K(What I know)	W(What I want to know)	L(What I have learned)
The force can make an object move.	move slower?	In the same time, The long distance, the faster the speed In the same distance, The long
	./	time, the slower the speed.

5B Class 23 Number Name: Magale

### Force and movement- Friction

w	ıa	r	m	е	ľ

1.	What	happens	if the	classroom	floor	loses	friction?
----	------	---------	--------	-----------	-------	-------	-----------

YOU	cant	- 5	tand.	/	ducing friction				
2. In daily life	, what a	re the ite	ems produc	ed by red	ducing friction	? ,		1	
The	rola	)\r	skate	15	a shoe	s but	it	has	whee
3. In daily life	which i	tome are	produced	by increas	scina friction?	1/1		lucino	2
The Language: Pl	bot de le	e d the fo	Mus llowing ser	50M	e w ze	) YOU	rec	Frit	1
friction (摩排			1 (材質)		en en	Co	E 01	5	UV.
1. Friction is i	nfluence	d by the	material o	f the con	tact surface o	f the object.	***	43	多

### Content

Watch a video of Top 10 Crashes from London's Red Bull Soapbox Race (5:40) and make a car to be a race.

make a car to be a race.

design diagram

Material(材料): 能皂盒、瓶 盖、竹、、 及 管

Modeling(造型):



K(What I know)	W(What I want to know)	L(What I have learned)
超過等性線度,智養就不	把汽水倒入整备满满的	% 覺得很 好玩

型 Class 2 Number Name:

Force and movement- Friction

### Warmer

1. What happens if the classroom floor loses friction?

一進 classroom 就 雪stop 下下水

2. In daily life, what are the items produced by reducing friction?

3. In daily life, which items are produced by increasing friction?

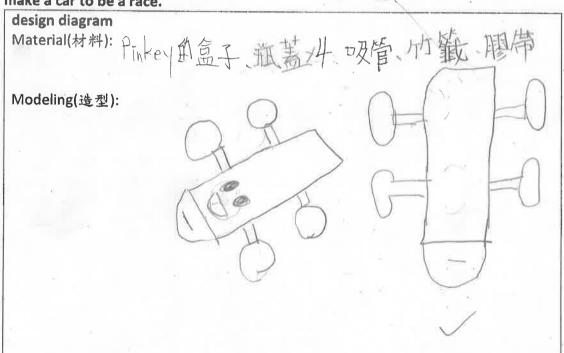
Language: Please read the following sentences

friction (摩擦力) material (材質)

1. Friction is influenced by the material of the contact surface of the object.

### Content

Watch a video of Top 10 Crashes from London's Red Bull Soapbox Race (5:40) and make a car to be a race.



K(What I know)	W(What I want to know)	L(What I have learned)
力知超	我想知道有沒有專業測試力	我的事子很大呢!
	H3 MG B0	/

### Warmer

- 1. What happens if the classroom floor loses friction? 会後不て来
- 2. In daily life, what are the items produced by reducing friction? 常的跨車齒輪達油
- 3. In daily life, which items are produced by increasing friction?

Language: Please read the following sentences

friction (摩擦力) material (材質)

1. Friction is influenced by the material of the contact surface of the object.

### Content

Watch a video of <u>Top 10 Crashes from London's Red Buil Soapbox Race</u> (5:40) and make a car to be a race.

make a car to be a race.		XX
design diagram Material(材料): 姚盒、柳蓋、吸管、竹乡	-	*
Modeling(造型):		
7		W .
	(2)	

K(What I know)	W(What I want to know)	L(What I have learned)
磁力是超距力。	為什麼二氧化石炭	妄課非常的簡
	會造成雨變酸	單。
25		

### Warmer

- 1. What happens if the classroom floor loses friction? 复为比数章
- 2. In daily life, what are the items produced by reducing friction? 著巧定者車軸 輪身
- 3. In daily life, which items are produced by increasing friction?

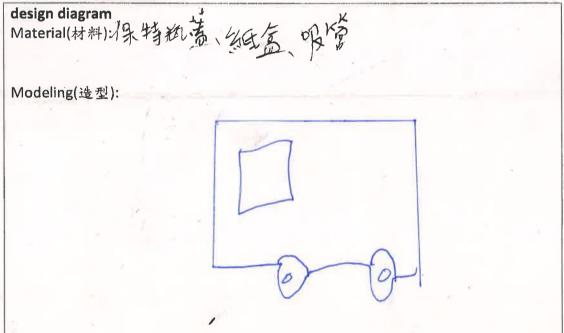
Language: Please read the following sentences

friction (摩擦力) material (材質)

1. Friction is influenced by the material of the contact surface of the object.

### Content

Watch a video of <u>Top 10 Crashes from London's Red Bull Soapbox Race</u> (5:40) and make a car to be a race.



K(What I know)	W(What I want to know)	L(What I have learned)
石城村是老路	二年十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十	新生品面包
./	THOUSE THE	( P P P)

### Warmer

- 1. What happens if the classroom floor loses friction? Canit
- 2. In daily life, what are the items produced by reducing friction? tike 15
- 3. In daily life, which items are produced by increasing friction?



Language: Please read the following sentences

friction (摩擦力)

material (材質)

1. Friction is influenced by the material of the contact surface of the object.

### Content

Watch a video of Top 10 Crashes from London's Red Buil Scapbox Race (5:40) and make a car to be a race.

design diagram

Material(材料):

小盒子、小輪子、小竹籤、爱管

Modeling(造型):



K(What I know)	W(What I want to know)	L(What I have learned)
世界上角度整力	想,知有沒有人有主召,距力	對蘇寧