To teachers We have prepared worksheets to accompany the experiments in the instructions, which you can copy and use in your teaching.

SCIENCE TEACHING MATERIALS וקּּוּייּאַנוּ

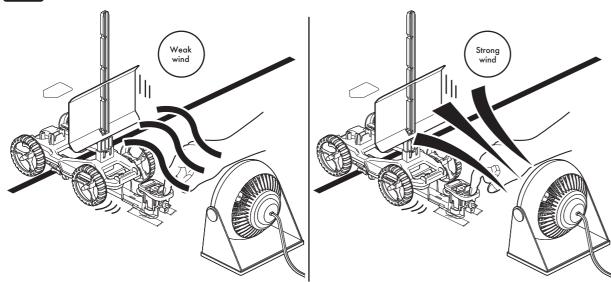
## **Wind and Rubber Mechanisms** (Type DXII) WORKSHEET

Name	Year	Class

Mechanism of the wind Let's make the wind car move \* Please conduct the test in a flat place with no wind around you. ☆ Write about your observation when you make the wind car move. fan

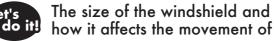
## Strength of wind and movement of car

• Let's see if there is any difference in the speed of the wind when the wind is light and when it is strong.

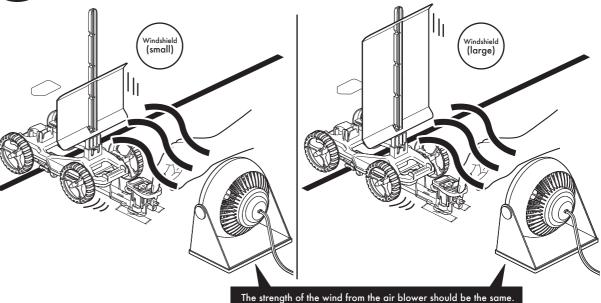


Let's summarize the strength of the wind and how the car moves in the table below.

		When the wind is wea	k	When the wind is strong	9
	1 <sup>st</sup> time	m	cm	m	cm
Distance	2 <sup>nd</sup> time	m	cm	m	cm
	3 <sup>rd</sup> time	m	cm	m	cm
Summary					



• Find out if there is a difference in distance the vehicle how it affects the movement of the car can run depending on the size of the windshield.



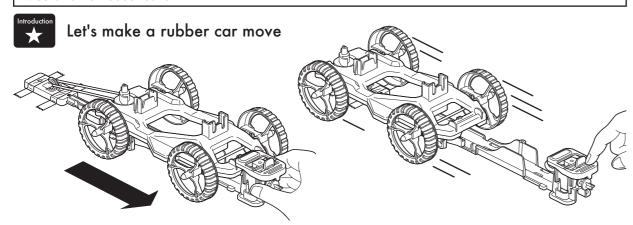
The table below summarizes the size of the windshield and how the car moves.

	Windshield (small)		Windshield (large)		
	1 <sup>st</sup> time	m	cm	m	cm
Distance	2 <sup>nd</sup> time	m	cm	m	cm
	3 <sup>rd</sup> time	m	cm	m	cm
Summary					

Write the words in (	) about the wind and the distance between the two objects	s.
	weak, the distance between the objects becomes ( ts becomes ( ) when the wind is strong.	), and the distance
	area exposed to the wind, the shorter the distance trav to the wind, the longer the distance traveled.	reled; the ( )

₹ Discuss and summarise how you can use the wind to move the objects.						

## Mechanism of rubber band



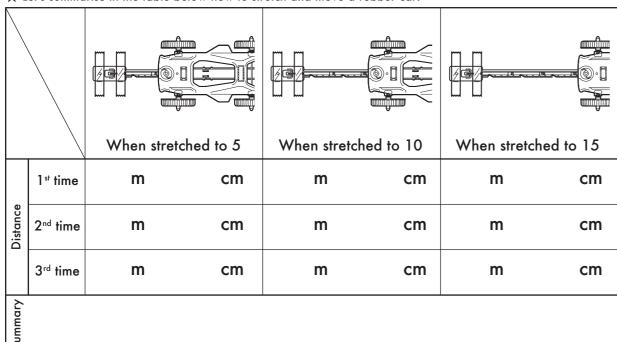
☆ Let's move the rubber car and write down our observation!

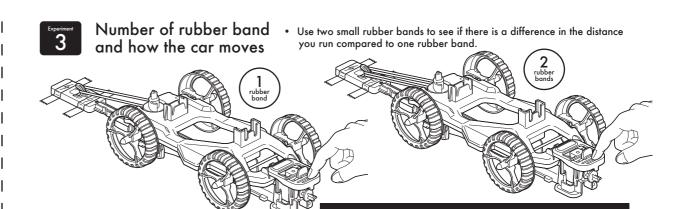


## Stretching of rubber and and movement of the car

 Let's find out if there is a difference in the distance the car travels when the rubber band is stretched short and when it is stretched long.

Let's summarise in the table below how to stretch and move a rubber car.





Let's summarize how the number of rubber bands and the way the car moves in the table below.

	When there is only 1 rubber band When			When there are 2 rubber	bands
	1 <sup>st</sup> time	m	cm	m	cm
Distance	2 <sup>nd</sup> time	m	cm	m	cm
_	3 <sup>rd</sup> time	m	cm	m	cm
Summary					

샀	From experiment 2 and	3, write the words in	(	) about the distance	between th	ne rubber	bands	and the	car's	s movemer
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- When the rubber is stretched to a ( ) length, the distance travelled by the object is shorter;
   when the rubber is stretched to a ( ) length, the distance travelled by the object is longer.
- As the number of rubbers band increases, the distance the object moves becomes (

$\precsim$ Let's discuss and summarize how to use the strength of	of the rubber band to make something i	move.
Let's run a propeller car  Write about your impressions of driving a propeller car and spinning a top.		
		Propeller car