

# Colour

## Task 1: What colour is that? (Levels 4–5)

Look carefully around the room and out of the window – identify an object that is doing each of these things to the light falling on it.

Effect on light	Object
Reflecting red light	
Absorbing blue light	
Reflecting green light	
Absorbing yellow light	
Reflecting blue light	
Reflecting light of every colour	

## Task 2: Coloured filters (Levels 5–6)

For each of the objects listed below describe and explain how they would look if they were lit by light that had passed through a coloured filter rather than by white light. The first one has been done for you.

Object colour in white light	Filter colour	Object colour through the filter	Explanation
Red	Blue	Black	The object only reflects red light, but the filter does not let any red light through.
Blue	Blue		
Green	Red		
Orange	Green		
Yellow	Red		
Yellow	Yellow		
Green	Green		

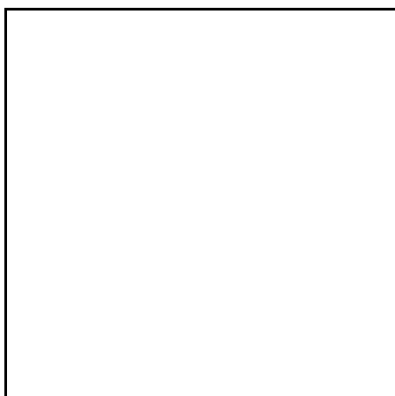
## Task 3: Combining filters (Levels 6–7)

In the three boxes below draw an identical picture or pattern using black lines.

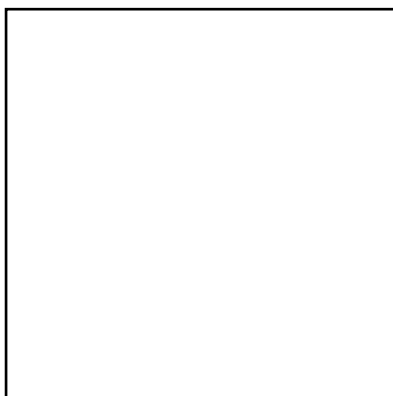
In the first box colour it in as it would look in white light.

In the second box colour it as it would be seen if the white light had been passed through a red filter.

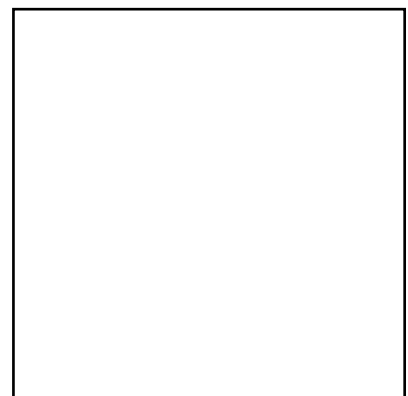
In the third box colour it as it would be seen if the light that had passed through a red filter was then passed through a green filter.



White light



Red filter



Green filter