



Total Legacy Care

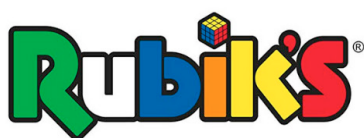
The Rubik's Guide

HOW TO SOLVE THE RUBIK'S CUBE
IN 8 EASY STEPS



Total Legacy Care

Official Rubik's Brand Ambassadors for





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Introduction

How to Solve a Rubik's Cube in 8 Easy Steps

Introduction

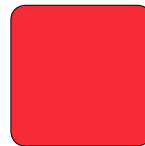
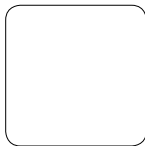


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THE CUBE HAS SIX SIDES AND SIX COLOURS

Each colour has an opposite coloured side:



WHITE & YELLOW

BLUE & GREEN

RED & ORANGE

You'll see each colour is the closest colour match to its opposite

LET'S NAME THEM:



The pieces:

◆ **CENTRE:** The **CENTRE** piece dictates the colour of that side. There are 6 **CENTRE** pieces in total

C **CORNER:** The **CORNER** pieces have 3 colours. Each side has 4 **CORNER** pieces

E **EDGE:** **EDGE** pieces have 2 colours. Each side has 4 **EDGE** pieces.



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THE MOVES

RIGHT



LEFT



TOP



BOTTOM



FACE



BACK



Move	Move	Move	Move
RIGHT UP	R ↑	RIGHT DOWN	R ↓
LEFT UP	L ↑	LEFT DOWN	L ↓
TOP CLOCKWISE	T ↻	TOP ANTI-CLOCKWISE	T ↺
BOTTOM LEFT	B ←	BOTTOM RIGHT	B →
FACE CLOCKWISE	F ↻	FACE ANTI-CLOCKWISE	F ↺
BACK CLOCKWISE	Bk ↻	We only ever turn the BACK one way	

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Lesson 1: The Daisy

How to Solve a Rubik's Cube in 8 Easy Steps

Lesson 1: The Daisy



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Where we are at:



Goal for this lesson:



The **YELLOW CENTRE** piece with 4 **WHITE EDGE** pieces making 4 petals.

Position: **YELLOW CENTRE** on **TOP**

Sides to move: **FACE, RIGHT, LEFT AND TOP**

Find a **WHITE EDGE** piece and move it around to the **YELLOW CENTRE**.
The best way to complete the Daisy is to get the **WHITE EDGE** piece in the **MIDDLE** on the **LEFT** or the **RIGHT** side, then you can move it up easily.

As you move it, try not to disturb the TOP row with your "Line Of Rotation"

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Lesson 2: The White Cross

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Lesson 2: White Cross



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Where we are at:



Goal for this lesson:



The **WHITE** cross complete with the petals matching the **CENTRE** piece.



NOTE: It doesn't matter what colour our **CORNERS** are, we just need a **WHITE CROSS** and the colours lining up with the correct **CENTRE** colours



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Lesson 2: The White Cross...continued

Step
01

Location: YELLOW CENTRE on TOP

Sides to move: TOP and FACE

Pick a **WHITE** petal – what colour is on the side of the petal?
It is **RED** in this example.

Rotate the **TOP** until lines up with the same **CENTRE** colour

Step
02

Location: YELLOW
CENTRE on TOP, your
petal side colour and
matching **CENTRE** colour
facing you (we've matched
the **RED** in this example)

**Now rotate the FACE 180
degrees...**



Step
03

Repeat STEP ONE and
STEP TWO for each petal

Let's check the **WHITE** side now,
we should have our **WHITE** cross
complete



If you have got to this
part you are already
doing amazingly well!!!

End of Lesson 2!

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Lesson 3: The White Corners

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Lesson 3: White Corners



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Where we are at:



Goal for this lesson:



The **WHITE** side complete with the colours on the **TOP** row matching their **CENTRE** piece.



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Lesson 3: The White Corners...continued

step
01

Location: WHITE on TOP.

Sides to move: RIGHT, LEFT
and BOTTOM

Step 1: Find a **WHITE**
CORNER on the **BOTTOM** row

What colour is next to it? (In
our example, it is **RED**)

If there is no **WHITE CORNER**
on the **BOTTOM**... **DON'T**
PANIC go on 2 pages 😊



step
02

Location: WHITE on TOP.

Rotate the **BOTTOM** row until the side colour matches the **CENTRE**
piece (**RED** in our example)





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Lesson 3: The White Corners...continued

Step
03

Location: WHITE CENTRE on TOP, WHITE CORNER piece facing you
Where is your **WHITE CORNER** piece in the **BOTTOM** row, on the **LEFT** or on the **RIGHT**? Face the **WHITE** piece towards you and follow the algorithm for the **LEFT** or **RIGHT**:

LEFT



RIGHT



LEFT	
Move	Move
BOTTOM RIGHT	B →
LEFT DOWN	L ↓
BOTTOM LEFT	B ←
LEFT UP	L ↑

RIGHT	
Move	Move
BOTTOM LEFT	B ←
RIGHT DOWN	R ↓
BOTTOM RIGHT	B →
RIGHT UP	R ↑

YOUR CORNER PIECE WILL NOW BE IN THE CORRECT POSITION AND MATCH UP WITH THE CENTRE PIECES

NEXT: IF YOU HAVE ANOTHER WHITE CORNER ON THE BOTTOM ROW, GO BACK TO STEP 1 ([click here](#))



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Lesson 3: The White Corners...continued

WHAT IF YOUR WHITE IS NOT ON THE BOTTOM ROW?

If the **WHITE** piece is already on the **WHITE** side but in the wrong place (it doesn't match up with the **CENTRE** piece) we just need to get it onto the **BOTTOM** row using this algorithm. Is it on the **LEFT** or the **RIGHT**?

LEFT



RIGHT



LEFT	
Move	Move
LEFT DOWN	L ↓
BOTTOM RIGHT	B →
LEFT UP	L ↑

RIGHT	
Move	Move
RIGHT DOWN	R ↓
BOTTOM LEFT	B ←
RIGHT UP	R ↑

YOUR WHITE PIECE WILL NOW BE IN THE BOTTOM ROW READY FOR YOU TO COMPLETE STEP 1 ([click here](#))



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Lesson 3: The White Corners...continued

If your **WHITE CORNER** is on the **TOP** row, we just do the following algorithm to get it onto the **BOTTOM** row again. Either **LEFT** side or **RIGHT** side again:

LEFT



RIGHT



LEFT	
Move	Move
LEFT DOWN	L ↓
BOTTOM LEFT	B ←
LEFT UP	L ↑

RIGHT	
Move	Move
RIGHT DOWN	R ↓
BOTTOM RIGHT	B →
RIGHT UP	R ↑

YOUR WHITE PIECE WILL NOW BE IN THE BOTTOM ROW READY FOR YOU TO COMPLETE STEP 1 ([click here](#))

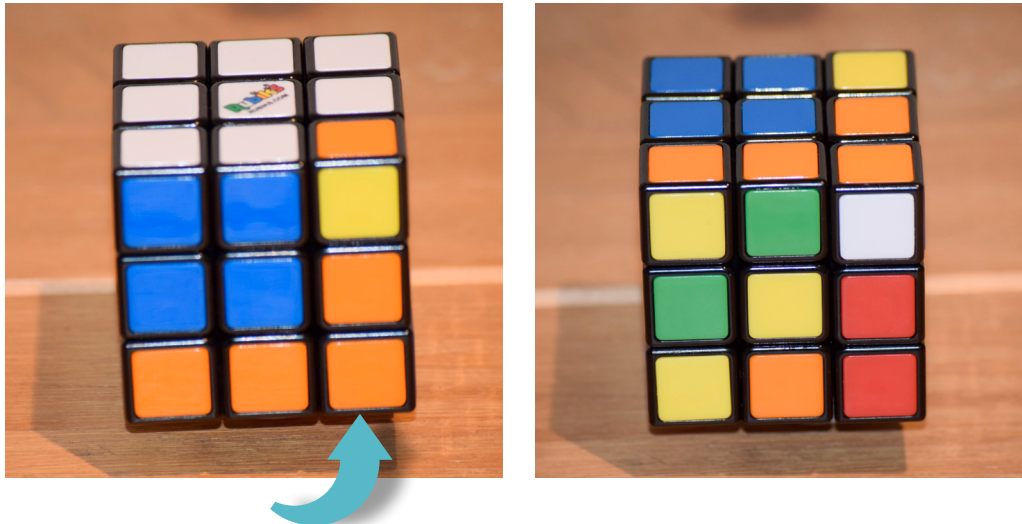


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Lesson 3: The White Corners...continued

WHAT IF YOUR WHITE IS NOT ON THE BOTTOM ROW?

If your **WHITE CORNER** is **UNDERNEATH** the **WHITE CENTRE** side (on the **YELLOW CENTRE** side), we need to get it onto the **BOTTOM** row.



Location: Rotate the **BOTTOM** in line (opposite) with a coloured piece on the **WHITE** side (not a **WHITE** piece)

In our example above we want to move the **WHITE** piece so it is directly inline with the **ORANGE** on the **WHITE** side.

Location: **WHITE** on **TOP**. Where is the **WHITE** underneath, on the **LEFT** or **RIGHT**?

LEFT		RIGHT	
Move	Move	Move	Move
LEFT DOWN	L ↓	RIGHT DOWN	R ↓
BOTTOM LEFT	B ←	BOTTOM RIGHT	B →
LEFT UP	L ↑	RIGHT UP	R ↑

YOUR WHITE PIECE WILL NOW BE IN THE BOTTOM ROW READY FOR YOU TO COMPLETE STEP 1 ([click here](#))

End of Lesson 3!

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Lesson 4: The Middle

How to Solve a Rubik's Cube in 8 Easy Steps

Lesson 4: Middle Row



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Where we are at:



Goal for this lesson:



The **WHITE** side complete with the colours on the **TOP** row matching their **CENTRE** piece.

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Lesson 4: The Middle...continued

**Step
01**

Location: **YELLOW CENTRE** on **TOP**

Sides to move: **RIGHT, LEFT, TOP** and **FACE**

Locate an **EDGE** piece on the **YELLOW** side with no **YELLOW** in it.
In the example below the **EDGE** piece is **ORANGE** and **BLUE**



IF YOU DO NOT HAVE AN EDGE PIECE
WITHOUT A YELLOW, CLICK HERE

**Step
02**

Rotate **TOP** until the colour meets the correct **CENTRE** piece (In this photo – **BLUE** to **BLUE CENTRE**)





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Lesson 4: The Middle...continued

Step
03

If you look at the piece you want to move, see which way it is going so that the **MIDDLE** matches the **CENTRE** piece – either to the **LEFT** or to the **RIGHT**:

LEFT



RIGHT



LEFT	
Move	Move
TOP ANTI-CLOCKWISE	T ↻
LEFT UP	L ↑
TOP CLOCKWISE	T ↺
LEFT DOWN	L ↓
TOP CLOCKWISE	T ↺
FACE CLOCKWISE	F ↺
TOP ANTI-CLOCKWISE	T ↻
FACE ANTI-CLOCKWISE	F ↻

RIGHT	
Move	Move
TOP CLOCKWISE	T ↺
RIGHT UP	R ↑
TOP ANTI-CLOCKWISE	T ↻
RIGHT DOWN	R ↓
TOP ANTI-CLOCKWISE	T ↻
FACE ANTI-CLOCKWISE	F ↻
TOP CLOCKWISE	T ↺
FACE CLOCKWISE	F ↺

REPEAT STEPS ONE TO THREE UNTIL THE BOTTOM TWO ROWS ARE COMPLETE WHEN THE YELLOW CENTRE IS ON TOP



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Lesson 4: The Middle...continued

If all **EDGE** pieces have **YELLOW** in them, then you may have an **EDGE** piece in the **MIDDLE** row already but the wrong way round as shown below (**GREEN & RED EDGE**).



We need to move it onto the top row first.

With **YELLOW** on **TOP**, pick an edge piece with **YELLOW** in it and use the algorithm we just used to swap it with the piece with no **YELLOW**.

Once you are familiar with swapping the pieces around, you can practise this lesson over without having to start from the beginning.

End of Lesson 4!

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Lesson 5: The Yellow Cross

How to Solve a Rubik's Cube in 8 Easy Steps

Lesson 5: The Yellow Cross



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Where we are at:



Goal for this lesson:



NOTE: It may be possible that after lesson 4 you are already here... if so, you can jump to lesson 6, or you can practise the algorithms we are just about to show you and then you can practise this lesson.



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Lesson 5: The Yellow Cross...continued

Now after completing Lesson 4, you will have one of the 3 following scenarios. Don't worry if there is a **YELLOW CORNER** in place, we can ignore them for now, we are only concerned with the **YELLOW EDGE** pieces at the moment:

Step 01

Location: **YELLOW** on **TOP**.

Make sure the **HOOK** or **BAR** is positioned in the same direction as it is in the photo.



DOT	
Side	Move
FACE CLOCKWISE	F ↻
RIGHT UP	R ↑
TOP CLOCKWISE	T ↻
RIGHT DOWN	R ↓
TOP ANTI-CLOCKWISE	T ↺
FACE ANTI-CLOCKWISE	F ↺

HOOK	
Side	Move
FACE CLOCKWISE	F ↻
TOP CLOCKWISE	T ↻
RIGHT UP	R ↑
TOP ANTI-CLOCKWISE	T ↺
RIGHT DOWN	R ↓
FACE ANTI-CLOCKWISE	F ↺



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Lesson 5: The Yellow Cross...continued



BAR	
Side	Move
FACE CLOCKWISE	F ↻
RIGHT UP	R ↑
TOP CLOCKWISE	T ↻
RIGHT DOWN	R ↓
TOP ANTI-CLOCKWISE	T ↻
FACE ANTI-CLOCKWISE	F ↻

There are only 2 algorithms here. One for the **HOOK** and one for the **BAR**. When you get the **DOT** it doesn't matter if you use either algorithm. When you start with the **DOT**, once you complete either algorithm it will turn into the **HOOK** or the **BAR** and you then complete that algorithm.

After completing the above, you will have completed the **YELLOW** cross – don't worry if some of the **YELLOW CORNERS** are already in place, we will move on to sorting them now

End of Lesson 5!

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Lesson 6: Yellow Corners

How to Solve a Rubik's Cube in 8 Easy Steps

Lesson 6: Yellow Corners



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Where we are at:



Goal for this lesson:



The **YELLOW CORNERS** in place so the **YELLOW** side is complete.



NOTE: It may be possible that after lesson 5 you are already here... if so, you can jump to lesson 7, or you can practise the algorithms we are just about to show you and then you can practise this lesson.

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Lesson 6: Yellow Corners...continued

We only have one algorithm to use for this lesson, but we may have to complete it a few times before we complete the **YELLOW** side.

In this lesson we will always have one of the following four positions on the **YELLOW** side.

The pictures below show you how to hold your cube in the correct position before starting the algorithm.

CROSS



BOW-TIE



TANK



FISH





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Lesson 6: Yellow Corners...continued

Now here's the moves:

Move	Move
RIGHT UP	R ↑
TOP CLOCKWISE	T ↻
RIGHT DOWN	R ↓
TOP CLOCKWISE	T ↻
RIGHT UP	R ↑
TOP CLOCKWISE	T ↻
TOP CLOCKWISE	T ↻
RIGHT DOWN	R ↓

Now you want to keep doing this until the YELLOW side is complete. Each time it is not complete line it up with the picture above to make sure you have it in the correct position.



YOU CAN DO THIS!!

End of Lesson 6!

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Lesson 7: The Top Corners

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Lesson 7: The Top Corners



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Where we are at:



Goal for this lesson:



The TOP CORNERS matching up with the CENTRE pieces



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Lesson 7: The Top Corners...continued

Step
01

You may have one set of **CORNERS** in place or all of them, if you have one set turn it to the back, if you don't have any, that's okay you just need to do the following algorithm, twice. Now this is the trickiest of algorithms, **GOOD LUCK!**

Move	Move
RIGHT DOWN	R ↓
FACE CLOCKWISE	F ↻
RIGHT DOWN	R ↓
BACK CLOCKWISE	BK ↻
BACK CLOCKWISE	BK ↻
RIGHT UP	R ↑
FACE ANTI-CLOCKWISE	F ↻
RIGHT DOWN	R ↓
BACK CLOCKWISE	BK ↻
BACK CLOCKWISE	BK ↻
RIGHT UP	R ↑
RIGHT UP	R ↑

If you only have 1 set of **CORNERS** complete, face them to the back and do the same algorithm again.

End of Lesson 7!

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Lesson 8: The Top Middle

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Lesson 8: Top Middle



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Where we are at:



Goal for this lesson:



WE ARE ABOUT TO COMPLETE THE CUBE!!

Now we may already have one side completed but if not, don't worry.

If you have a completed side, just turn the completed side to the back, again keeping the **YELLOW** side on **TOP**.

We are going to move the incorrect **EDGE** piece round to its correct side, but it may take a couple of attempts.



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Lesson 8: The Top Middle...continued

READY...?

Move	Move
RIGHT UP	R ↑
RIGHT UP	R ↑
TOP CLOCKWISE	T ↻
RIGHT UP	R ↑
TOP CLOCKWISE	T ↻
RIGHT DOWN	R ↓
TOP ANTI-CLOCKWISE	T ↺
RIGHT DOWN	R ↓
TOP ANTI-CLOCKWISE	T ↺
RIGHT DOWN	R ↓
TOP CLOCKWISE	T ↻
RIGHT DOWN	R ↓



CONGRATULATIONS!!



You are probably jumping around the room at this point
and not reading this!!

Well done you... You are a superstar!!!

Practise, practise, practise. You'll learn all the Algorithms off by heart soon enough, but don't forget to download our algorithm sheet so you have it readily to hand. Watch our TLC Spin video and join our hall of fame! You are amazing!!!