YOU CAN DO
THE RUBIK’S
SLIDE

Solution Guide
**HOW TO USE THIS GUIDE**

- You will be learning the layered method to solve the Rubik’s® Slide, similar to the layered method used to solve the Rubik’s Cube.

- Throughout the guide you will see this symbol to indicate helpful tips. Take the time to read the tips closely.

- The gray areas on the Rubik’s Slide mean that at the stage you are working on, the color of the gray pieces doesn’t matter.
**TIPS FOR SUCCESS**

- Mindset is critical - learning to solve the Rubik’s Slide is a challenge but if you persevere, you WILL solve the Rubik’s Slide.

- Think of the algorithms as moving a piece out of the way, setting up its correct position, and then moving the piece into that place.

- Master one layer by re-scrambling your Rubik’s Slide and practicing multiple times before moving on to the next layer.

- Place a small sticky note on the piece of the Rubik’s Slide you are moving so you can follow its path.
LAYERS

There are three horizontal layers in the Rubik’s Slide, just like the 3x3 Rubik’s Cube.

Using this guide, you will solve the Rubik’s Slide layer by layer.
FACES

Each flat surface is a face. There are 6 faces on a Rubik’s Slide.

You can place your palm flat on a FACE.

CENTERS

Center pieces have one colored tile.

There are 6 center pieces.

Center pieces are single tiles, fixed to the internal core.

When correctly solved, each face will be the color of its center piece.

You use one finger to touch a CENTER piece.

These center piece colors are always opposite each other.
Cubies are the pieces that you can move around the Rubik’s Slide between the fixed center pieces.

The colored tiles of a cubie will be externally facing when the Rubik’s Slide is solved.

The black sides of each cubie will be internal (hidden) when the Rubik’s Slide is solved.
You use three fingers to touch all sides of a CORNER piece.

Unlike a Rubik’s Cube, corner pieces on the Rubik’s Slide can occupy the spaces of edge pieces, and vice versa.
Because the Rubik’s Slide always has one cubie away from forming a completed cube, the ending state of the Rubik’s Slide will have the missing piece in the **RED - BLUE - YELLOW** corner position.

Cubies always stay in the same orientation no matter their position on the Rubik’s Slide.
This missing piece will be referred to as the "Slide Spot", as this is where you will slide your cubies into. This will be referenced to throughout this guide.

Each move involves pushing pairs of cubies **two at a time** into the slide spot.

Sliding cubies around a single face resembles the rotation of a pinwheel.
## GET TO KNOW YOUR RUBIK’S SLIDE

### FACE KEY

Each face referenced in this guide is represented by a letter.

<table>
<thead>
<tr>
<th>U</th>
<th>UP FACE</th>
</tr>
</thead>
</table>

### NOTATION KEY

Moves used in this guide.

<table>
<thead>
<tr>
<th>U</th>
<th>U’</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>R</th>
<th>RIGHT FACE</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>R</th>
<th>R’</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>F</th>
<th>FRONT FACE</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>F</th>
<th>F’</th>
</tr>
</thead>
</table>
If there is a **number** next to the algorithm letter, move the cubies in pairs that many times around the face.
An **ALGORITHM** is a sequence of moves that you need to do in a specific order.

When following the algorithms in this guide, it is important to maintain the **FRONT** face of your Rubik’s Slide so it stays the **FRONT** through all of the turns.

A turn is moving the cubies clockwise when looking at that face directly. A letter with an apostrophe (‘) after it means to make an inverse or counterclockwise turn of the cubies around the cube face.
RUBIK’S SLIDE SOLUTION GUIDE

This solution guide is divided into three stages as seen below.

SOLVE LAYER ONE

SOLVE THE MIDDLE LAYER

SOLVE THE FINAL LAYER

Now... let’s get solving!
SOLVE LAYER ONE

STEP 1: SOLVE THE WHITE CROSS

HOLDING YOUR RUBIK’S SLIDE

Begin by holding your Rubik’s Slide with the YELLOW CENTER piece on the UP (U) face.

**Action 1**

Locate a cubie that belongs as a WHITE EDGE piece. There are four edge pieces with a WHITE face and **ONLY** one other color. All other sides of the cubie will be BLACK. Because cubie colors can become hidden when facing internally, you may need to position the slide spot next to the cubie of interest, to slide it back and forth to determine the colors on all sides of the cubie.

**REMEMBER THE CUBIES DO NOT CHANGE ORIENTATION.**

You may find the WHITE EDGE color hidden on the TOP and MIDDLE layers.
Action 2

When you’ve found a **WHITE EDGE** cubie, place it in the **YELLOW** layer. If the **WHITE EDGE** piece is already on the **TOP** layer, go to **Action 3**

If the **WHITE EDGE** piece is in the **MIDDLE** layer, hold the piece on the **FRONT-RIGHT** side of the Rubik’s Slide with the slide spot placed directly above, and perform the algorithm below.

If the piece occupies an incorrect edge spot in the **BOTTOM** layer, hold the piece in the **FRONT-BOTTOM** side of the Rubik’s Slide and cycle the **FRONT** side pieces until the piece is on the **YELLOW** layer.
If the **WHITE EDGE** piece occupies the **BOTTOM** corner, position the **WHITE EDGE** piece on the **BOTTOM-RIGHT** with your slide spot **TOP-RIGHT** (above) and complete the algorithm.

**Action 3**

When the cubie is on the **YELLOW** layer, cycle the **YELLOW** layers pieces until the **FRONT** tile of the piece matches the **CENTER** tile color. If it already matches, continue to **Action 4**
When your Rubik’s Slide has a white cross that looks like this picture, you can move to Step 2!

**Action 4**

Cycle the **FRONT** pieces clockwise until the **WHITE** tile matches the **WHITE CENTER** and the piece is solved.

![Action 4 Diagram](image)

**Action 5**

Repeat **Action 2-4** for all **WHITE EDGE** pieces.
SOLVE LAYER ONE

STEP 2: SOLVE THE WHITE CORNERS

HOLDING YOUR RUBIK’S SLIDE

Begin by holding your Rubik’s Slide with the YELLOW CENTER piece on the UP (U) face.

Action 1

Locate a WHITE CORNER piece on the YELLOW layer. A WHITE CORNER piece will have a WHITE tile along with two other colors.

REMEMBER THE CUBIES DO NOT CHANGE ORIENTATION.

If there are no WHITE CORNER pieces to locate on the YELLOW layer go to Action 4.
Action 2

Hold the Rubik’s Slide so that the final destination of the WHITE CORNER piece is in the BOTTOM-RIGHT of the FRONT face. Position the WHITE CORNER piece so that one color matches the FRONT center, and the other color faces the RIGHT side of the cube.

Action 3

Perform this algorithm.
Action 4

If you locate a **WHITE CORNER** in the **MIDDLE** layer, hold the Rubik’s Slide with the **WHITE CORNER** piece on the **RIGHT** of the **FRONT** face.

Now complete the **Action 2** to correctly position the **WHITE CORNER**.
When your Rubik’s Slide has a complete white layer with the center and edge pieces matched, like this picture, you can move to Step 3!

If you locate a **WHITE CORNER** in the **BOTTOM** layer, hold the Rubik’s Slide with the **WHITE CORNER** piece on the **RIGHT** of the **FRONT** face.

Now complete the **Action 2** to correctly position the **WHITE CORNER**.

**Action 5**

Repeat **Action 2 - 4** for each **WHITE CORNER**.

When your Rubik’s Slide has a complete white layer with the center and edge pieces matched, like this picture, you can move to Step 3!
HOLDING YOUR RUBIK’S SLIDE

Begin by holding your Rubik’s Slide with the YELLOW CENTER piece on the UP (U) face.

Action 1

Locate an EDGE piece on the YELLOW side that belongs in the MIDDLE layer. These pieces will have only two colors, and neither of which will be YELLOW. If there are NO edge pieces on the YELLOW side go to Action 3.

The one exception is the BLUE-RED EDGE piece because of the three identical BLUE-RED-YELLOW pieces.
Action 2

Cycle the **UP (U)** side until the **FRONT** color of the **EDGE** piece matches the **CENTER** color on the **FRONT (F)** side.

The **EDGE** piece should now have one color matching the **FRONT** center, and the other color faces the **RIGHT** side of the cube.

Then perform the algorithm.

![Diagram of the algorithm steps](image-url)
Action 3

If you locate a **MIDDLE** layer **EDGE** in the **MIDDLE** layer, but in the wrong position, perform the following algorithm to bring it to the **TOP** layer.

```
R3 R3' U4
```

Now complete **Action 2** to correctly position the **MIDDLE** layer **EDGE** piece.

Action 4

Repeat until all **MIDDLE** Layer **EDGES** are solved.

When the two bottom layers of your Rubik’s Slide look like this picture, you can move to Step 4!
SOLVE THE FINAL LAYER

STEP 4: SOLVE THE YELLOW-GREEN EDGE PIECE

HOLDING YOUR RUBIK’S SLIDE
From this point onward, hold the Slide with Yellow on top, Blue in the front, and Red on the right.

Action Solving the Yellow-Green Edge piece

Cycle the YELLOW layer pieces until the YELLOW-GREEN EDGE piece is solved. This piece will become our REFERENCE piece.

We will finish the Rubik’s Slide by solving one piece at a time.

Start each move with your slide spot above the YELLOW-RED-BLUE CORNER spot.
The remaining steps require placing the piece you will be solving in the **BLUE-RED EDGE** position, before then replacing it back into it’s correct position.

We will do this by placing the piece you are solving either **LEFT** or **RIGHT** of the slide spot.

We will then perform the algorithm that will swap the pieces around depending on the position of the piece you are trying to solve.
SOLVE THE FINAL LAYER

STEP 5: SOLVE THE YELLOW-GREEN-RED CORNER PIECE

HOLDING YOUR RUBIK’S SLIDE

Hold the Slide with Yellow on top, Blue in the front, and Red on the right.

Locate the YELLOW-GREEN-RED CORNER piece on your TOP YELLOW layer. If the piece is already solved then move to Step 6

Action 1 RIGHT Move

If the YELLOW-GREEN-RED CORNER occupies the UP-RIGHT edge position:

Perform Algorithm B

F4’ U3 F3

After positioning your piece go to Action 2
**Action 1** LEFT Move

If the piece occupies any of the UP-LEFT positions of the cube, cycle the TOP layer until the YELLOW-GREEN-RED CORNER piece is on the UP-FRONT of the Rubik’s Slide.

![Diagram of Rubik's Slide]

**YOUR REFERENCE PIECE WILL MOVE AROUND.**

Don’t worry that your YELLOW-GREEN EDGE REFERENCE piece has now moved, we will be moving that back again later.

Perform **Algorithm A**

![Diagram of Rubik's Cube]

After positioning your piece go to **Action 2**

**Action 2**

Cycle the YELLOW layer to position the REFERENCE piece back in place. This is to ensure your previous work is still solved.
When your Rubik’s Slide has the Yellow-Green-Red Corner matched, like this picture, you can move to Step 6!

Then cycle the **YELLOW** layer to place the piece currently occupying the **YELLOW-GREEN-RED CORNER** spot into the **UP-RIGHT** side of the Rubik’s Slide.

Perform **Algorithm B**

Finish by cycling the now solved **YELLOW-GREEN REFERENCE EDGE** piece and **YELLOW-GREEN-RED CORNER** piece back into place.

When your Rubik’s Slide has the Yellow-Green-Red Corner matched, like this picture, you can move to Step 6!
**SOLVE THE FINAL LAYER**

**STEP 6: SOLVE THE YELLOW-ORANGE-GREEN CORNER PIECE**

**HOLDING YOUR RUBIK’S SLIDE**

Hold the Slide with Yellow on top, Blue in the front, and Red on the right.

Locate the **YELLOW-ORANGE-GREEN CORNER** piece on your **TOP YELLOW** layer. If the piece is already solved then move to **Step 7**

If the **YELLOW-ORANGE-GREEN CORNER** piece is already in the **BLUE-RED EDGE** position go to **Action 2**

**Action 1** **RIGHT Move**

If the **YELLOW-ORANGE-GREEN CORNER** piece is on the **UP-FRONT**, cycle the **TOP** layer until the piece falls on the **RIGHT** side of the Rubik’s Slide.
Perform **Algorithm A**

After positioning your piece go to **Action 2**

**Action 1** LEFT Move

If the piece occupies the UP-LEFT edge or UP-LEFT-FRONT corner position, cycle the TOP layer until the YELLOW-ORANGE-GREEN CORNER piece is on the UP-FRONT of the Rubik’s Slide.

Perform **Algorithm B**

After positioning your piece go to **Action 2**

**Action 2**

Cycle the YELLOW layer to position the REFERENCE piece back in place. This is to ensure your previous work is still solved.
Then cycle the **YELLOW** layer to place the piece currently occupying the **YELLOW-ORANGE-GREEN CORNER** spot into the **UP-FRONT** side of the Rubik’s Slide.

Perform **Algorithm A**

Finish by cycling the now solved **YELLOW-GREEN REFERENCE EDGE** piece and **YELLOW-ORANGE-GREEN CORNER** piece back into place.

When your Rubik’s Slide has the Green Face complete, like this picture, you can move to Step 7!
SOLVE THE FINAL LAYER

STEP 7: SOLVE THE YELLOW-ORANGE EDGE PIECE

HOLDING YOUR RUBIK’S SLIDE

Hold the Slide with Yellow on top, Blue in the front, and Red on the right.

Locate the YELLOW-ORANGE EDGE piece on your TOP YELLOW layer. If the piece is already solved then move to Step 8.

If the YELLOW-ORANGE EDGE piece is already in the BLUE-RED EDGE position go to Action 2.

Action 1 Right Move

If the YELLOW-ORANGE EDGE piece is in the UP-FRONT edge position, cycle the TOP layer until the piece occupies the UP-RIGHT position of the Rubik’s Slide. Then perform Algorithm B.
If the **EDGE** is already in the **UP-RIGHT** position, perform **Algorithm B**

After positioning your piece go to **Action 2**

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**Action 1** LEFT Move

If the **EDGE** piece occupies the **UP-FRONT-LEFT** corner position, cycle the **TOP** layer until the **YELLOW-ORANGE EDGE** piece is on the **UP-FRONT** of the Rubik’s Slide.

Perform **Algorithm A**

After positioning your piece go to **Action 2**
When your Rubik’s Slide has the Green Face & Orange edge complete, like this picture, you can move to Step 7!

Action 2

Cycle the YELLOW layer to position the REFERENCE piece back in place. This is to ensure your previous work is still solved.

Then cycle the YELLOW layer to place the piece currently occupying the YELLOW-ORANGE EDGE spot into the UP-FRONT side of the Rubik’s Slide.

Perform Algorithm A

Finish by cycling the now solved YELLOW-GREEN REFERENCE EDGE piece and YELLOW-ORANGE EDGE piece back into place.

When your Rubik’s Slide has the Green Face & Orange edge complete, like this picture, you can move to Step 7!
SOLVE THE FINAL LAYER

STEP 8: SOLVE THE YELLOW-BLUE-ORANGE CORNER

HOLDING YOUR RUBIK’S SLIDE

Hold the Slide with Yellow on top, Blue in the front, and Red on the right.

Locate the YELLOW-BLUE-ORANGE CORNER piece on your TOP YELLOW layer. If the piece is already solved then move to the Action 3

If the YELLOW-BLUE-ORANGE CORNER piece is already in the BLUE-RED EDGE position go to Action 2

Action 1 Piece Position FRONT

If the YELLOW-BLUE-ORANGE CORNER occupies the UP-FRONT position:
Perform **Algorithm B**

After positioning your piece go to **Action 3**

**Action 1** Piece Position RIGHT

If the **YELLOW-BLUE-ORANGE CORNER** occupies the **UP-RIGHT** position:

Perform **Algorithm B**

After positioning your piece go to **Action 2**

**Action 2**

Cycle the **YELLOW** layer to position the **REFERENCE** piece back in place. This is to ensure your previous work is still solved.
Cycle the piece currently occupying the **YELLOW-BLUE-ORANGE** spot to be in the **UP-FRONT**.

Perform **Algorithm A**

After positioning your piece go to **Action 3**

**Action 3**

If necessary, cycle the **YELLOW** layer pieces until all sides are solved.

**CONGRATULATIONS!**

You have solved the Rubik’s Slide!

**Rubik’s Brand Ambassador**

When it came to figuring out a solution for the Rubik’s Slide, I worked to overcome the unique obstacles of the puzzle. Through patience, perseverance and analysis, I took my time to develop a readable method. After a few days of discovery, I’m filled with gratitude and joy to share my solution with you.

~ Sam Richard
CONGRATULATIONS!
You have solved the Rubik’s Slide!
TRY A DIFFERENT CHALLENGE

Available at: RUBIKS.COM

More resources available on Rubiks.com

Including videos for each stage

www.rubiks.com/solve-it