Dolphins
You and your team are building a Rubik’s® Cube mosaic. Just like solving a Rubik’s Cube, building a mosaic must be done in careful steps. Unlike solving a Rubik’s Cube, you’ll need to take your time. Rushing the mosaic building process is the fastest way to make a mistake and mistakes can sometimes take over an hour to correct.

One of you will be the leader and the rest of you will be builders. It’s important that the leader keeps track of the progress of the entire mosaic while the builders will stay focused on their sections.

Each section has 25 cubes. The mosaic consists of a total of 600 Rubik’s Cubes. The leader will need to pay attention to each section being built and make sure that the sections are all double-checked and then placed in the correct order.

Each of the section pages in this template have a special number that looks like this:

```
ROW COL NUM
04 - 06 - 24
```

The first number is the row; there are a total of 4 rows. The second number is the column; there is a total of 6 columns. The last number is the section number; there are a total of 24 sections.

Here’s a visual to help you understand better:

```
ROW COL NUM
01 02 03
04 05 06
07 08 09
10 11 12
```

Each builder will be given a section to work on by the leader. Each builder should only work on one section at a time. After each cube is manipulated to match the template, cross it out on the page with a pen. When a builder is finished with their section, they need to check that each cube is in the correct pattern and orientation as shown on their section page. Once they’ve checked, they will call for the leader to double-check the section and then will be instructed by the leader where to place their section. Be very careful when moving your sections. Don’t pick up too many cubes at once, two or three at a time but never more. It’s very easy to drop your cubes. Use baking sheets or lunch trays to move sections close to the mosaic and then move the cubes from the trays to the mosaic.

It’s exciting to help build a Rubik’s Cube mosaic. Remember to listen to the leader’s instructions, be patient, and have fun!

**Materials Needed:**
- 600 Rubik’s® Cubes
- Mosaic Template Pack
- Baking sheets or lunch trays
- Pens or pencils
- Raised work surface
- Lots of open floor
### Rubik's Cube Patterns

**Dolphins**

<table>
<thead>
<tr>
<th>ROW</th>
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<tbody>
<tr>
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Dolphins
<table>
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<tr>
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<tbody>
<tr>
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Dolphins

[Image of a Rubik's Cube puzzle]
Dolphins

04 - 03 - 21
Dolphins

ROW COL NUM
04 - 05 - 23
<table>
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<tbody>
<tr>
<td>04</td>
<td>06</td>
<td>24</td>
</tr>
</tbody>
</table>
Mosaic Template Pack (600 Cubes)

Leader’s Sheet

01-01-01 01-02-02 01-03-03 01-04-04 01-05-05 01-06-06

02-01-07 02-02-08 02-03-09 02-04-10 02-05-11 02-06-12

03-01-13 03-02-14 03-03-15 03-04-16 03-05-17 03-06-18

04-01-19 04-02-20 04-03-21 04-04-22 04-05-23 04-06-24