
STITCHETTES VEX IQ VR

BY: Stella T. Dottie F. GG P. Charlotte A.

3701D Stitchettes

Stella.T

VR Coder



3701D Stitchettes

Dottie F.



3701D Stitchettes

GG P.



3701D Stitchettes

Charlotte A.



3701D VEX Score

The image shows a screenshot of a VEX IQ Robotics Competition Virtual Skills Match Results screen. The screen is displayed on a tablet or small monitor, with a blue background and a white overlay containing the results. At the top right of the screen, there are icons for 'ACTIVITIES' (a checkmark) and 'CLOSE' (an 'X'). The overlay features the VEX Robotics logo on the left, the VEX IQ Robotics Competition logo in the center, and the REC logo on the right. The text on the screen reads: 'Virtual Skills Match Results', '3701D', '3701D - Stitchettes', 'Score: 124 points', and 'Skills Stop Time: 0 seconds remaining'. At the bottom of the overlay, there are two blue buttons: 'Submit Score' and 'Retry'. The background of the screen is decorated with a pattern of gears.

ACTIVITIES CLOSE

VEX ROBOTICS VEX IQ ROBOTICS COMPETITION REC

Virtual Skills Match Results
3701D
3701D - Stitchettes
Score: 124 points
Skills Stop Time: 0 seconds remaining

Submit Score Retry

VEX Code

when started



```
when started
  set drive velocity to 100 %
  set turn velocity to 100 %
  set IntakeMotor velocity to 100 %
  set CatapultGroup velocity to 100 %
  drive forward for 400 mm
  turn right for 90 degrees
  drive reverse for 400 mm
  spin CatapultGroup release for 90 degrees
  spin CatapultGroup lower for 10 turns
  drive reverse for 425 mm
  turn right for 90 degrees
  drive forward for 400 mm
  spin IntakeMotor to position 10 degrees
  drive reverse for 415 mm
  turn left for 90 degrees
  drive reverse for 25 mm
  spin CatapultGroup release for 90 degrees
  spin CatapultGroup lower for 10 turns
  drive forward for 800 mm
  turn right for 90 degrees
```

The image shows a sequence of VEX Blockly code blocks. It starts with a 'when started' trigger block. The code then sets the velocity for the drive and turn motors to 100%. It also sets the velocity for the IntakeMotor and CatapultGroup to 100%. The sequence of actions is: drive forward 400 mm, turn right 90 degrees, drive reverse 400 mm, spin the CatapultGroup release for 90 degrees, spin the CatapultGroup lower for 10 turns, drive reverse 425 mm, turn right 90 degrees, drive forward 400 mm, spin the IntakeMotor to position 10 degrees, drive reverse 415 mm, turn left 90 degrees, drive reverse 25 mm, spin the CatapultGroup release for 90 degrees, spin the CatapultGroup lower for 10 turns, drive forward 800 mm, and finally turn right 90 degrees.

VEX Code

```
drive forward for 400 mm
spin IntakeMotor to position 10 degrees
drive reverse for 415 mm
turn left for 90 degrees
drive reverse for 25 mm
spin CatapultGroup release for 90 degrees
spin CatapultGroup lower for 10 turns
drive forward for 800 mm
turn right for 90 degrees
drive forward for 400 mm
spin IntakeMotor intake for 10 degrees
drive reverse for 1000 mm
turn left for 90 degrees
drive reverse for 425 mm
spin CatapultGroup release for 90 degrees
spin CatapultGroup lower for 10 turns
drive forward for 400 mm
turn left for 90 degrees
drive forward for 400 mm
spin IntakeMotor intake for 10 degrees
drive reverse for 415 mm
```

VEX code

```
turn right for 90 degrees
drive reverse for 750 mm
spin CatapultGroup release for 90 degrees
spin CatapultGroup lower for 10 turns
drive forward for 800 mm
turn left for 90 degrees
drive forward for 400 mm
spin IntakeMotor intake for 90 degrees
drive reverse for 400 mm
turn right for 90 degrees
drive reverse for 400 mm
spin CatapultGroup release for 90 degrees
spin CatapultGroup lower for 90 turns
forever
  drive forward for 400 mm
  turn left for 90 degrees
  drive forward for 400 mm
  spin IntakeMotor intake for 10 degrees
  drive reverse for 400 mm
  turn right for 90 degrees
  drive reverse for 400 mm
  spin CatapultGroup release for 90 degrees
  spin CatapultGroup lower for 10 turns
```

The image shows a sequence of VEX code blocks in a Scratch-style environment. The blocks are arranged vertically and connected by a central line. The first block is 'turn right for 90 degrees'. This is followed by 'drive reverse for 750 mm', 'spin CatapultGroup release for 90 degrees', and 'spin CatapultGroup lower for 10 turns'. The sequence continues with 'drive forward for 800 mm', 'turn left for 90 degrees', 'drive forward for 400 mm', 'spin IntakeMotor intake for 90 degrees', 'drive reverse for 400 mm', 'turn right for 90 degrees', and 'drive reverse for 400 mm'. The next two blocks are 'spin CatapultGroup release for 90 degrees' and 'spin CatapultGroup lower for 90 turns'. A 'forever' loop block is then introduced, containing a series of blocks: 'drive forward for 400 mm', 'turn left for 90 degrees', 'drive forward for 400 mm', 'spin IntakeMotor intake for 10 degrees', 'drive reverse for 400 mm', 'turn right for 90 degrees', and 'drive reverse for 400 mm'. The 'forever' loop block is highlighted in orange. The code blocks are blue with white text and a right-pointing arrow at the end of each block.

VEX Code

