**Fllying Fish EV3 Robot by David Luders, Super Garfield Mentor**

This Lego Mindstorms EV3 Robot base is good for FIRST Lego League (FLL) teams. The "Fllying Fish" features two front auxiliary motors (an EV3 Large Motor below an EV3 Medium Motor), two EV3 Color Sensors, and an EV3 Gyro Sensor. The two yellow Technic Liftarms in the middle can be extended outwards (as needed) to support attachments. The EV3 programmable brick is tilted up out of the way of the auxiliary motors, yet has its buttons easily accessible during FLL competitions.

To make the robot sit more level, consider replacing the standard EV3 robot's wheels with the slightly-smaller 6595 wheel ( [www.bricklink.com/catalogItem.asp?P=6595](http://www.bricklink.com/catalogItem.asp?P=6595) ) or 22253 wheel ( [www.bricklink.com/catalogItem.asp?P=22253](http://www.bricklink.com/catalogItem.asp?P=22253) ) and the 6594 tire, 49.6 x 28 VR ( [www.bricklink.com/catalogItem.asp?P=6594](http://www.bricklink.com/catalogItem.asp?P=6594) ).

For clarity, the EV3 Connector Cables are not shown here; you will need 7 cables (for 4 motors + 3 sensors).