

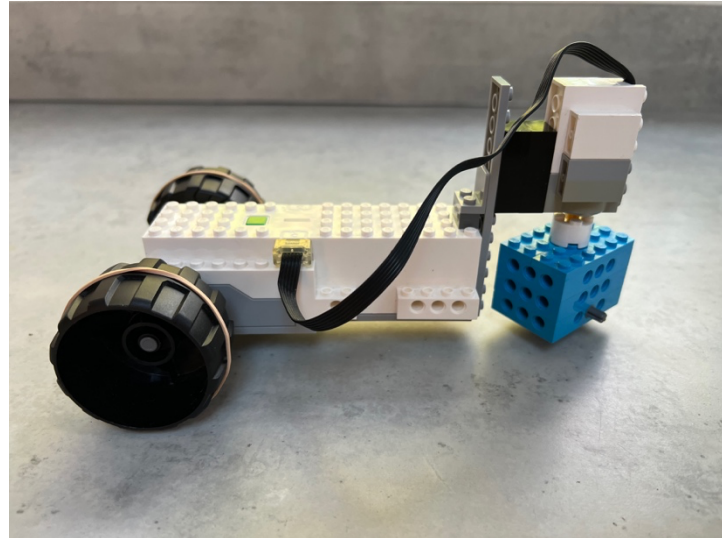


## Trike

Register/login at

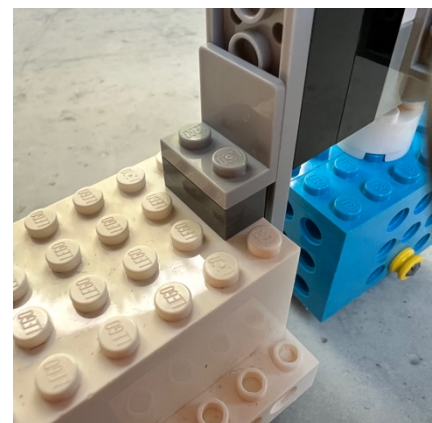
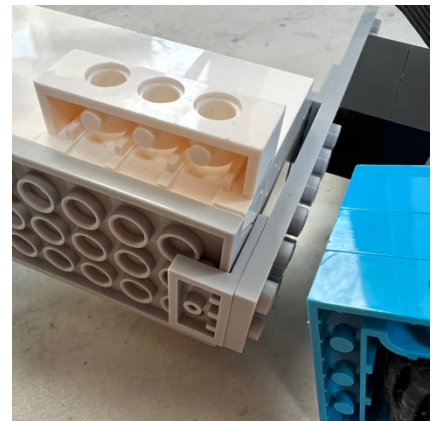
<https://scratch.mit.edu>

*A remote-controlled trike with a steering wheel.*

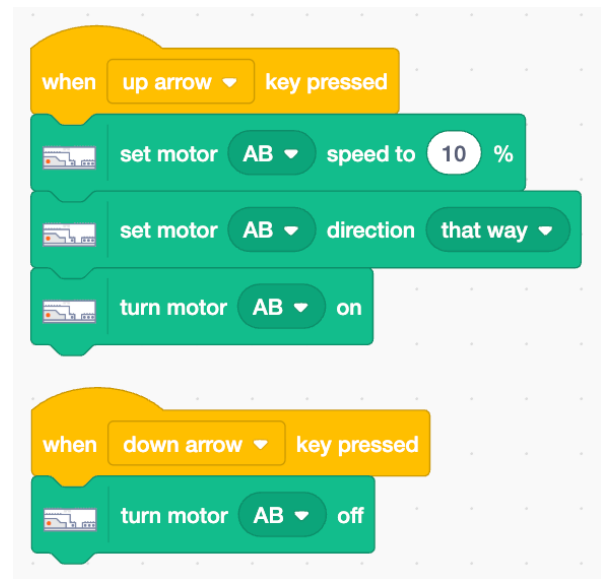


1. Create a new project, add the **LEGO BOOST** extension, and connect the **BOOST**.
2. Find and build two rear wheels with a cross-shaped axle to fit into motors A and B on the BOOST.
3. Make a **front** steering wheel.
4. Attach the motor and steering wheel. Use two Lego 90-degree brackets to clamp the front wheel securely.
5. Decorate your car with your own Lego designs so it doesn't get mixed up with somebody else's car.

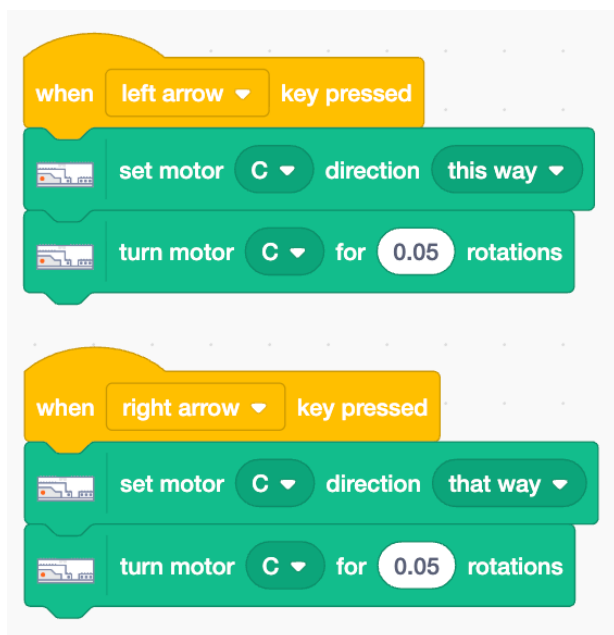
*Now write code to control the trike from Scratch. Use the arrow keys to drive it. If the wheels skid then wrap elastic bands around them for better grip.*



6. Add code (right) that **sets the A & B motor speed** and **direction**. It **turns on** the motors when you press the up arrow and **turns them off** when you press the down arrow.



*Add steering.*



7. Add code (left) to steer the trike. The **left arrow rotates** the wheel slightly left. The **right arrow rotates** the wheel slightly right.

**Save** your code with a good name. **File > Save now**