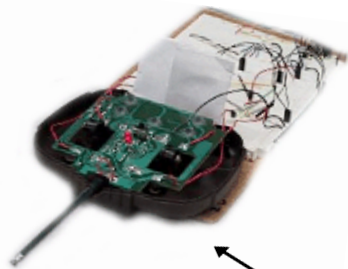




# ETank

ETank an educational tool that is aimed toward helping K-12 students understand basic programming concepts. Educators can make their students' learning experience a memorable one by using ETank. ETank is a moving rover that mimics a set of commands that the user can give in a friendly and easy to use interface. Students will be able to watch their programs perform in front of them in a physical environment.

Once the user have decided where to move and the XSV-300 board decided how to move ETank (look at the components below), the remote control sends signals to ETank to move.

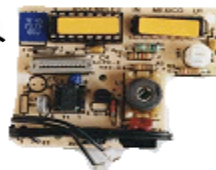


Connected to the PC through the parallel cable, the XSV-300 board decides how to move the tank in the direction the user indicated.



The friendly user interface allows students to indicate the direction and units of movement.

An RF module receives the current position of the tank to stop it when it reaches its destination. The position of the tank is sent from the tank side to the user side.



The sonar, compass, RF module and a processor are mounted on top of ETank.

The sonar and the compass send their coordinates periodically to update the user of ETank's position.

For more information about this product, please visit our website at:

<http://www.cs.washington.edu/education/courses/cse477/CurrentQtr/projectwebs/groupe/>