



EWCTC
Motor/ Transmission and
Weapon Worksheet

Preliminaries Competition-
March 23rd and 24th 2012
Finals- April 13th and 14th

South Western Pa. Bots I.Q. web site- <http://www.botsiqpa.org/>

Rio Botz tutorial web site-<http://www.scribd.com/doc/44721477/Riobotz-Combot-Tutorial-2-0>

Study past EWCTC Bots and then read before completing questions 10 through 16 on the bottom of the page.
Those who do not study Bot. history are doomed to repeat it!

What wheel drive motors have we used in the past? _____

Where they brushed? _____

Volts? _____

Weight? _____

RPM? _____

Gear ratio? _____

RPM @ transmission? _____

How big were the drive wheels in the past?

1. Bot. Name- _____ Diameter- _____

2. Bot. Name- _____ Diameter - _____

3. Bot. Name- _____ Diameter - _____

How fast did the wheels spin in the past?

1. RPM- _____

2. RPM- _____

3. RPM- _____

What weapon motors have we used in the past? _____

Where they brushed? _____

Volts? _____

Weight? _____

RPM? _____

How fast did the weapon spin in the past?

4. RPM- _____

5. RPM- _____

6. RPM- _____

What kind of belts drove the weapon of the three above Bots?

1. _____ Pro- _____ Con- _____

2. _____ Pro- _____ Con- _____

3. _____ Pro- _____ Con- _____

How heavy were the weapons of the three above bots?

1. _____

2. _____

3. _____

After reading pages 126 through 219, what are your suggestions for this year Bot?

10. Wheel Motors- _____

11. Wheel diameter- _____

12. Wheel RPM- _____

13. Weapon Motors- _____

14. Weapon RPM- _____

15. Weapon Drive belt- _____

16. Weapon Weight- _____