

How to get started in Youth 120 racing in KCPRO West

1.) What age is your child?

- a. Classes start out as young as 4 years of age.
- b. The largest groups are 6-9 years old.
- c. Kids can race up to 12 although they get pretty big for a 120 at that age.

2.) What type of safety equipment is needed?

- a. Good quality proper fitting helmet (blaze orange) and goggles.
- b. Safejac / Tekvest upper body protection.
- c. Shin guards.
- d. Elbow pads.
- e. Mouth guard.
- f. Above ankle boots.
- g. ISR (International Snowmobile Racing) has a general rule book describing the equipment. This info is available on-line. (The club also rents most of these safety items)

3.) Classes:

- a. The starter class is called **"Beginner 120"**
 - i. Ages 4 and up.
 - ii. Completely stock snowmobile.
 1. Engine governor operation.
 - a. This means the engine runs 3,800-3,900 RPM maximum. The speeds are approx. 8-9 mph.

- b. The RPM is checked by tech director for equal playing field.
- c. Kids learn the basics in this class, for first time racers.

b. Next class is **“Amateur stock 120”**

- i. Ages 5 and up.
- ii. It’s a good stepping stone before they go into higher classes.
- iii. Completely stock snowmobile, with the exception of engine governor. There is gearing limits for certain models also. This keeps the machines competitive.
- iv. The engine governor can be removed for higher RPM, thus the snowmobile runs approx 14-15mph. Most snowmobiles in this class run 6,800 – 7,200 RPM
- v. Once a racer wins 3 times or places in the top 5 consistently, they are moved to a higher class – “Stock 120”.

c. Next class is **“Stock 120”**

- i. Most kids in this class are 6 years old and older.
- ii. It’s one of the largest classes for entries.
- iii. Very competitive racing.
- iv. Completely stock snowmobile, with the exception of engine governor. There is gearing limits for certain models also. This keeps the machines competitive.

- v. The engine governor can be removed for higher RPM, thus the snowmobiler runs approx 14-15mph. Most snowmobiles in this class run 6,800 – 7,200 RPM

d. After stock 120 is “Improved stock 120”

- i. Most kids in this class are 6 years old and older.
- ii. It’s also a very large class for entries.
- iii. Very competitive racing.
- iv. Completely stock snowmobile, with the exception of engine governor. Any gearing is allowed, and clutch changes are allowed (may run 35 chain) . This allows slightly higher speeds vs stock. Approx. 18-20 MPH.
- v. Most snowmobiles in this class run 6,800 – 7,200 RPM

e. A new class for 2013-14 is “Semi Pro 206”

- i. 6 years of age and older
- ii. Same basic rules as stock with the exception as follows:
 - 1. You install the Briggs and Stratton 206 engine
 - a. There is a carb slide and gearing limitations to keep the speeds at a certain limitations.
 - b. Aftermarket suspension shocks are allowed.
 - c. The class is designed for kids coming out of stock class racing and want a bit more performance.

- f. The next class is **“Pro 206”**
 - i. This class is for higher level of driver skill and experience.
 - ii. Same basic rules as stock with the exception as follows
 - 1. You install the Briggs and Stratton 206 engine
 - a. Open gearing is allowed. Speeds are approx 23+ MPH.
 - b. Aftermarket suspension shocks are allowed.
 - c. A rear shock kit is popular in this class.
 - d. This engine has gained popularity in 2 short years.

- g. The top or highest classes are **“Champ 120 & Champ 206”**
 - i. Champ 206 is new for 2013-14 season
 - ii. This class is for highest level of driver skill and experience.
 - iii. This is a modified class with specialty build snowmobiles.
 - iv. Champ 120 runs Modified 120 engines
 - v. Champ 206 runs the same motor as Pro 206
 - vi. These classes usually have racers 8-thru 12 years of age, with several years of race experience.

4.)Where does a person get parts and performance info?

- a. Recreational Motors is a very good place for 120 snowmobile “Hop-up items” they specialize in this type of business.
- b. Fastlane Inc. offers engines and accessories for the Briggs and Stratton 206 racing program.
- c. The internet is also a good place to see what is out there as for race items.
 - i. Briggs and Stratton Racing website and Facebook has some very good info about the 206 engine installation.

5.)KCPro West offers 2 types of race tracks

- a. Snow (1/3 mile snow lemans type track)
- b. Ice oval track (approx 200ft in length)
 - i. Ice ovals do require a good proper setup and handling package including ski carbides and track studs.
- c. Approx 75% - 80% of KCPro racers race snow, 25% race ice.

6.)How much does it cost?

- a. KCPro West is a non-profit organization run by the parents as volunteers, board members and officials.
- b. Costs are held to a minimum.
- c. Entry fees start at \$25
- d. Yearly membership is \$100 for a family.
- e. Every racer gets a trophy no matter what place they finish.
- f. Each race site has door prizes for kids.

**7.) Further info available by contacting board members on the
KCProwest.net website.**