

# McMaster vs Lakehead Pace Factor

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February 1, 2018

## 1 Pace Factor

In a transition game, pace is one of the most important factors that come into play. When both teams are playing a transition style game, it become THE most important part of the game. Pace is something that is difficult to measure because well how do really measure how long they are taking before their shots or how much they are hustling; it is just something difficult to wrap one's head around. So what the pace factor can show us in a comparative stand point is who is really "running the ball faster" or who is making more opportunities. This is typically a statistic that is more of a team statistic than a individual statistic.

$$\text{Pace Factor} = \text{Minutes per Game} \times \frac{\text{TeamPossessions} + \text{OpponentPossessions}}{2 * \frac{\text{TeamMinutePlayed}}{5}}$$

We compare the upcoming Lakehead team to the most recent game vs Guelph since Lakehead has also played Guelph. Now we are simply using Guelph as a dummy variable here as to be able to compare the paces between the two teams retrospectively.

We calculate each teams Pace Factor respectively, we see that McMaster has a Pace Factor of 96.4 and Lakehead has 93.9. This means that in the upcoming match up, McMaster should be in control of the Pace of the game and through this they will get more possessions through out the game than Lakehead meaning more opportunities to score.

## 2 Notes Ahead of Lakehead Game

- Only McCulloch and Seward are effective on the pick and roll.
- On the pick and roll Nardini has a greater chance of losing the ball (40% turn over on Pick and Roll) than scoring (20% FG% on Pick and Roll)
- Collins and McCulloch are much better at Iso than Seward (the two average roughly 70% effectiveness while the latter is only 40% effective) (ie Post up play is a really

good idea)

- Adu-Poku averages over 70% FG% off of transition plays ranking highest on the team with a 90% effectiveness rating
- 80% of the teams shots through out the game are 3's however statistically the teams most effective way of scoring is in the paint or post up ( less than 17 feet from the net)
- Lakehead loves spot up shooting and transition basket ball but their most effective play (ran only 11% of their total plays is the Pick and Roll)
- Everyone on Lakehead is a good shooter (above 35% FG%)
- Lakehead has very low offensive rebounds which mean they expect all their shots to go in. There is zero reason McMaster should not get every defensive rebound.
- Their players have excellent screens and a 66% effectiveness of their screens (Shots made from screen have a 30% better FG% than without screen)
- Fully expect 70% of their shots to be 3's

This is a big game for McMaster but I believe we have the tools to beat this team. They have shooting that is comparable to ours however our bigs should effectively dominate their since they do not have a plan for their centers.