LEARN TO WIN 2019
DYNAMICS – VEHICLE PREPARATION, TESTING AND RACING

Chris Slevin
Mechanical Development Engineer, Ricardo

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AGENDA.

01 Static vehicle preparation
02 Dynamic testing, the driver
03 Testing Phases 1 & 2
04 At the competition
05 Q & A
STATIC VEHICLE PREPARATION

As you build

- Manually load all components
- Run through the self scrutineering form
- Check each others work, fresh eyes
- Radius your hubs!
- Dynamic simulation
STATIC VEHICLE PREPARATION
FINISHED CAR SET UP

- Castor
- Camber
- Toe
- Ride heights & corner weights
- Tyre pressures
- Shocks and anti roll settings
- Springs
DYNAMIC TESTING
TAKE A PROFESSIONAL APPROACH

- Safe environment
- Risk assessment
- Team training
- Fire and first aid
- Jump batteries
- Spares!
DYNAMIC TESTING
GET ORGANISED

- Have a kit list
- Have a testing plan
- Have assigned roles and responsibilities
- Check the car between runs
- Get into a routine, this will help at the competition!
THE DRIVER

- Find the best driver you can
- It’s a tough job, help them
- Realistic training environment
- Maximise relevant seat time
TESTING PHASE 1
PROVING AND CONFIDENCE

Shake the car down

- If something is wrong stop and fix it

Dynamic engine mapping

- Build driver confidence!!
- Get used to the environment, left foot braking!? 

Driver training

- Data logging or split times
- Document everything
- Run the car for a mock endurance
TESTING PHASE 2
VEHICLE SET UP

- A lot of teams will not reach this point
- Only change one thing at a time
- Make a decent assessment
- Go wet testing, it’s Britain!
AT THE COMPETITION

- Where and when with what??
- Assign roles and responsibilities
- Set up changes for drivers, practice it
- Set up changes for events
- Set up changes for weather
DRIVING AT THE COMPETITION

Must run in every event
- Take the 2nd run immediately
- Same driver for sprint & endurance

Your driver must be focused
- Walk the track
- Don’t panic them
- Get in the zone, but not too much
WHAT DO THE RESULTS SAY?

- 2018
  - 81 entries
  - 21 scored points in every event both static and dynamic
  - 59th, lowest full scorer (-25 penalty points!)
  - 8th, highest finisher without completing the endurance

- 2018
  - 81 entries
  - 21 full scorers

- 2017
  - 75 entries
  - 14 full scorers

- 2016
  - 111 entries
  - 21 full scorers

- 2015
  - 97 entries
  - 22 full scorers

- 2014
  - 97 entries
  - 20 full scorers

- 2013
  - 90 entries
  - 17 full scorers

- 2012
  - 103 entries
  - 19 full scorers

- 2011
  - 79 entries
  - 23 full scorers

- 2010
  - 76 entries
  - 20 full scorers
CONCLUSION

Build a reliable car

Statically set it up properly

Shake it down and gain driver confidence

Attend every event, static and dynamic

With luck you will finish in the top 35

Get the car finished on time

Use the time to refine your static events

Get to stage 2 dynamic testing
ANY QUESTIONS?
THANK YOU

For more information please contact: Formulastudent@imeche.org

Chris Slevin

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