Massive Mini Registration

Dear FRC Teams:

It is time again for this year’s Massive Mini workshop day! We have put together an array of ten great presentations, with hosts from participating FRC teams (1108, 1710, 1730, 1764, 1777) along with Garmin and National Instruments. The Massive Mini will be held at Liberty Senior High School on Saturday, December 12th and will run from 9:00am until 1:00 pm. Each workshop is open to students, mentors, parents, coaches and advisors alike.

The address for the event is:

Liberty Senior High School

200 Blue Jay Drive

Liberty, MO 64068

The schedule is as follows:

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| **Massive Mini Schedule** | | | | | | | | |
| **Room** | **9:00** | **9:30** | **10:00** | **10:30** | **11:00** | **11:30** | **12:00** | **12:30** |
| **30** | LabView | | | | LabView | | | |
| **33** | Inventor | | Java | | Inventor | | Java | |
| **408** | Utilizing Mentors | | Parents | | Utilizing Mentors | | Parents | |
| **409** | Chairman’s | | Chairman’s | | Chairman’s | | Chairman’s | |
| **410** | C++ Basic | | | | C++ Advanced | | | |
| **515** | Team Safety | | Marketing/Spirit | | Marketing/Spirit | | Team Safety | |
| **Shop** | Drive Systems | |  |  | Drive Systems | |  |  |

On the following page is a list of the above workshops with descriptions, hosts and time lengths. You can [**register**](http://spreadsheets.google.com/viewform?hl=en&formkey=dElJeVV4T0o4R1RwcmRsbEZ4SU1ZVHc6MA) at the following site:

<http://spreadsheets.google.com/viewform?hl=en&formkey=dElJeVV4T0o4R1RwcmRsbEZ4SU1ZVHc6MA>

Also, we are looking for a few teams to provide robots for the programming sessions and for the drive systems section. We would like robots that the programmers can use to practice different programming techniques, including using motor controllers, relays, sensors and much more. We would also like a few robots to display and review different drive systems. If your team is interested in either of these, please contact us at the information below or fill out the information on the registration site.

We’re hoping to make this year’s Massive Mini event even better than last years. We hope you can all attend and we’ll see you on the 12th of December. Good luck!

Sincerely,

Ben Heaivilin  
Team 1764 – The Dirty Gears

[bheaivilin@liberty.k12.mo.us](mailto:bheaivilin@liberty.k12.mo.us)

(816) 736-5340 x2130

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| --- | --- | --- | --- |
| **Session Name** | **Host** | **Length** | **Description** |
| Programming with LabView | National Instruments | 2 hr | This session will cover LabView programming and how to implement motor controllers, sensors and other topics while programming with LabView. |
| Programming with C++  AM = Basic PM = Advanced | Garmin | 2 hr | This session will cover basic to advanced C/C++ programming and how the language is used to program real-time systems and your robot. |
| JAVA Programming for the NI Compact Rio | Team 1777 – SMW Viking Robotics | 1 hr | Team 1777 will provide insight into the issues of programming in JAVA for the FIRST robotics competition.  Examples will be given to translate your existing LabView code into Java.  Sample programs will be provided to all participants, and time will be available for those wanting to write simple code, compile and see the results on an FRC robot. |
| Spirit/Marketing- It's more than just pompons! | Team 1939 – Barstow  The Kuh-nig-its | 1 hr | Why is Spirit/Marketing an important activity in FIRST and some tips and tricks to make your team standout on a budget. |
| Sharing Safety with Bob Goggles and 1710 | Team 1710 – Ravonics | 1 hr | Team 1710 and Bob Goggles share how to “sell” your team safety at competition to help win safety awards. |
| Designing with Inventor | Team 1764 – The Dirty Gears | 1 hr | Using Autodesk inventor to help aid in the design of the robot including design tips, stress analysis, content library and more |
| Drive Systems | Team 1764 – The Dirty Gears | 1 hr | An overview and look at the different drives systems available and the pros and cons of each with examples. |
| Parent and Community Support | Team 1764 – The Dirty Gears | 1 hr | A look at how parents and community play an important role in a successful team. Includes topics on parent groups, fundraising, sponsorships, and more. |
| Becoming a Chairman's Worthy Team with a Presentation to Match | Team 1108 – Panther Robotics | 1 hr | Join the 5-time Chairman Award winning team as they share their secrets to winning the Chairman’s Award. |
| How to utilize mentors in creating a winning FIRST Robotics Team | Team 1730 – Team Driven | 1 hr | How do you communicate, set ground rules and integrate mentors into your FIRST robotics team? This presentation will answer those questions and more in making a winning and cohesive team. |

Notes:

1. A small concession stand will be provided: Soda, Chips and Candy. Wendy’s, Culvers and a few other restaurants are close by.
2. Depending on enrollment, attendees may have to share computer access. There will be a cap of

30 participants per session. You will receive an email notification if the class is full.