

Suggested FTRC Schedules

Use the previous page to help decide which suggested schedules may be appropriate for you.

#	Suggested Schedule	Description
1	After-School Club, Competitive FTRC Team	Meet weekly; Full plan in Project Management Book
2	Full Year STEM Course	48 x 90 min sessions (24 active weeks with 2 sessions per week)
3	Chassis Set-Up Investigations	Optimize the Chassis for performance.
4	Upside Down Wings	Optimize aerodynamics by adding wing(s) using 3D CAD and mechanical engineering principles.
5	Aerodynamic Car Body Design	Optimize aero with a new car body using 3D CAD.
6	Mechanical Eng. Improve the Lower Control Arm	Apply mechanical engineering principles and use 3D CAD to redesign the lower control arm.
7	Mechanical Eng. Streamline the Chassis Plate	Apply mechanical engineering principles and use 3D CAD to modify the chassis underplate.
8	Mechanical Eng. Chassis Plate with Venturi Duct	
9	P.I.T. Now, Wind and Solar Charging Station	Live a sustainable future and recharge your FTRC car with wind power or solar power.
10	Physics Lesson Plans	Actively address standards-based physics and math lessons using FTRC
11	Math Lesson Plans	
12	FTRC for Middle Grades	Framework for upper middle grades
13	Project Management	Project management schedule
14	Marketing & Public Relations	Marketing, Public Relations & Sponsorship

Resource Abbreviations

- MBB: MindBug Buster activities available for download at the team web site
- PPT: PowerPoint presentation available for download at web site; also available in PDF format
- HDT: Handout available for download at web site
- VID: Video available for viewing at the web site
- MID: Printed content in FTRC Booklet for Middle Grades. This booklet provides a full series of activities that can be implemented independently of all other FastTrack RC content.
- FTRC Booklets
 - » RACE: Booklet #1, National FTRC STEM League Handbook
 - » CURR: Booklet #2, Curriculum & Fundamentals (this book!)
 - » MKPM: Booklet #3, Marketing & Project Management
 - » CSI: Booklet #4, Chassis Set-Up Investigations
 - » AERO: Booklet #5, Aerodynamic Projects
 - » MECH: Booklet #6, Mechanical Engineering
 - » PITN: Booklet #7, P.I.T. Now (Alternative Energies)
 - » SCI: Booklet #8, Science Extension Lessons
 - » MATH: Booklet #9, Math Extension Lessons
 - » MID: Booklet for Middle Grades, alternative collection of lessons and resources

Web Site = FTRC team web site