

Raider Robotix
FIRST Robotics Team #25



2007 Team Handbook

TABLE OF CONTENTS

Welcome.....	3
History.....	3
What is FIRST?.....	4
Gracious Professionalism.....	4
College & Career Opportunities.....	5
Qualification.....	6
Selection Process.....	8
Fall Team Activities.....	9
Sub-Committee’s and Team Positions.....	10
Raider Robotix FIRST Competition Team.....	14
Participation.....	14
School Work.....	14
Behavior.....	15
Plan of Assistance / Probation.....	16
After School Activities.....	17
Health.....	18
Uniforms.....	18
Coaches.....	19
Engineers.....	20
Work At BMS.....	20
Fundraising.....	20
Brunswick Eruption.....	21
Travel.....	22
Competitions.....	24
Hotel.....	28
Parent Responsibilities.....	29
E-mail.....	30
Other Competitions.....	30
Appendix- Awards Achieved By Raider Robotix	31



WELCOME

Congratulations on being selected to be on the Raider Robotix Team. We think you will find your experiences very rewarding and enjoyable. This guide is intended to give you an understanding of the program and your responsibilities as a team member. In the following pages you will find information relating to our team history, selection process, team rules, team guidelines, organization at events, travel and many other aspects of our team.

Please review all the information very carefully. If you have any other questions that this guide has not covered, or if there are questions regarding any topic, do not hesitate to ask a coach.

You are encouraged to share this manual with your parents, and keep it handy for future reference.

HISTORY

The Raider Robotix Team formed in 1997. In that year, Ms. Freeman of the science department was approached by the NJ Systemic Science Initiative to introduce new forms of science curricula into the school. Through NJSSI we were introduced to FIRST Robotics and New Jersey coordinator Randy Schaeffer. He and the NJ Chamber of Commerce introduced NBTHS to the folks at Bristol Myers Squibb and a sponsorship relationship developed. From the start, Mr. Cokeley has been the developer and coach of the team.

In the first few years the team operated in a limited fashion from the wood shop at NBTHS. The robots were built with hand tools and a lot of help from parents with little interaction with the sponsor shop. Subsequently our budget was very small and we did not do much other than participate in the NJ Regional. The team is the first commercially sponsored activity in the school district's history and represents years of ground breaking work and new policies for the district.

In 2000, a new relationship with the BMS sponsor developed with the shop personnel taking a more active role on the team and the robot construction being shifted to the metal shop at BMS. The mentorship part of FIRST developed and the students got far more experience in the shop at BMS. Subsequently we won the National Championship in 2000 and haven't looked back since.

In the years since 2000 the team has been highly awarded and has graduated nearly 50 seniors into college programs. The team continues to grow and evolve and looks forward to an even brighter future

WHAT IS FIRST?

Raider Robotix is a part of the FIRST Robotics competition. FIRST, For Inspiration and Recognition of Science and Technology, which aims to help high school students get a glimpse of the world of science and engineering ultimately assisting them to choose a career in a technical field. This is accomplished through building a robot and competing in competition allowing students to interact with professionals in many fields. To list other goals FIRST and our team strives to accomplish:

- GAIN INTEREST IN DIFFERENT FIELDS OF SCIENCE AND ENGINEERING
- DEVELOP LEADERSHIP SKILLS
- DEVELOP OVERALL CHARACTER
- BUILD SELF-CONFIDENCE
- LEARN TO WORK IN A TEAM ENVIRONMENT
- PREPARE STUDENTS FOR REAL-WORLD SITUATIONS
- DEMONSTRATE GRACIOUS PROFESSIONALISM AT ALL TIMES

Gracious Professionalism:

“Dr. Woodie Flowers, FIRST National Advisor and Pappalardo Professor of Mechanical Engineering, Massachusetts Institute of Technology, coined the term “Gracious Professionalism.”

Gracious Professionalism is part of the ethos of FIRST. It's a way of doing things that encourages high-quality work, emphasizes the value of others, and respects individuals and the community.

With Gracious Professionalism, fierce competition and mutual gain are not separate notions. Gracious professionals learn and compete like crazy, but treat one another with respect and kindness in the process. They avoid treating anyone like losers. No chest thumping tough talk, but no sticky-sweet platitudes either. Knowledge, competition, and empathy are comfortably blended.

In the long run, Gracious Professionalism is part of pursuing a meaningful life. One can add to society and enjoy the satisfaction of knowing one has acted with integrity and sensitivity.”

-USFIRST.org

COLLEGE & CAREER OPPORTUNITIES

The Raider Robotix FIRST program is an excellent way to explore the career of engineering. During this program students will be exposed to many principles of engineering and the mentoring skill of the engineers from BMS. We recognize the possibility that not all students will go to careers in engineering. It is our goal however to expose all the students to technological careers including but not limited to engineering.

There are many scholarship opportunities associated with the FIRST program. The coaches will be providing information regarding these as soon as they are made available. There is also information listed on the FIRST web site at USFIRST.ORG.

By being an eager participant in the FIRST Robotics program, you can qualify yourself for many scholarships. Through FIRST, more than \$8 Million dollars in scholarships are given out through more than 59 colleges and universities in US and Canada. Moreover, FIRST is a much respected organization among many top universities in the US, and they definitely increase your chances of getting in and acquiring scholarships (Of course, grades pending). The more you do in FIRST, the more experience you have under your belt which can really help you at future jobs and other endeavors. One of the goals of FIRST is to create the leaders of tomorrow but that can only happen if you make yourself an active and keen participant in FIRST.

During your Junior year, it is important that you concentrate on the skill need to score high on the ACT and SAT tests as many scholarships and college admittance is based upon these scores, as well as high school transcripts. The higher the test scores and GPA, the more funds that are available for your education.

Scholarship opportunities for the new FIRST Robotics Competition season are typically finalized by September 30 of the previous year. Scholarship offerings posted on the FIRST website by September 30. Deadline for scholarship application submissions is typically early to mid March. Scholarship contributor selects recipient by EARLY APRIL 2006 and notifies FIRST of recipient's name and team number. Scholarship recipients will be recognized at the FIRST Robotics Competition Championship in mid April.

QUALIFICATIONS

Qualifications to be a Team member are important to ensure the goals and objectives of the team are accomplished with quality and efficiency. There are minimum qualifications to be eligible for the Club / Team.

Note: All selected students are part of the FIRST team for the first semester. During the second semester selected students become part of the FIRST Team until the end of the school year.

What makes a good team member? The list below is some of the attributes that are looked at during the selection process.

Application:

Each student is required to complete an application. The time lines and directions for the application are very specific. Care should be taken to complete the application as neat and through as possible. The student response portion should be composed with care. It may be word processed and attached to the application, if preferred.

The parent section is also very important. Take care to see that it is complete. If there is a language barrier the student may translate for the parent. Student should indicate that it is translated in the heading of the document.

Criteria for Membership on Raider Robotix Team

- 1. Members must maintain academic eligibility as per school policy-**
Periodically through the year the roster will be checked with the main office for compliance. Positive learning habits are related to study skills, classroom assignments, grades, classroom / school involvement. A student's current grades and past achievements are powerful statements about his or her learning habits.

Dropping grades and failure to meet eligibility requirements may jeopardize your spot on the team. All Team members will be expected to maintain at least a C+ average in all courses. Any Team member that falls behind in their studies will not be allowed to travel with the team until their grades are once again at or above a C+. If no improvement is shown, you will be removed from the team and will not be allowed to attend any meetings or events.
- 2. Members must fund-raise a minimum of \$300 for their travel expenses -** Fund raising activities occur throughout the year and include shirt sales, car washes, events and others. Each member will have an individual team account to keep track of their fund raising.
- 3. Members must perform a minimal 10 hrs of community service before January 1.** -This service must be approved and registered with the CS director. The director will keep a log book of all community service for members. Community service is defined as activities performed without

pay for the good of others in the school or community.

4. **Members must attend the Wednesday meetings and Team Functions-** Attendance and punctuality are indicators of a student's commitment to their education and future. A team member needs to be available and ready to participate as much as possible. When asked to participate, establishing a record of dependability and punctuality is essential to team organization and efficiency.
5. **Parents of members are expected to participate in team activities and help in team operations.** RPM or Raider Parent Mentors is a group dedicated to parents of Raider Robotix. This helps parents to stay involved in our team and contribute in ways that they can. Over the past few years, RPM is responsible for starting and maintaining our Animation group, various fund-raisers, events and public relations with the community.
6. **Members will take a course or workshop related to robotics per committee approval- either curricular or extra curricular** – Most important of these is the shop safety orientation. No member can participate in shop or pit activities without taking this orientation.
5. **Demonstration of Appropriate Behavior** - The Raider Robotix Team is a unique team of students and adults. We all rely on each other for the success of the group. Everyone is expected to bring the best of their abilities to the group. The competition each year is both expensive and time consuming and it is expected that all involved will behave as motivated young adults with the greatest regard for others and integrity.
 - a. **Consistent Demonstration of Good Judgment and Positive Behavior:** Each team member is an ambassador of our team. Team members need to be role models for other students to emulate and respect. Solid behavior choices should to be demonstrated at all times, in and out of school activities.
 - b. **Ability to commit to a Project:** Starting a project and following it through to the end is critical to team performance. Team members need to dedicate themselves and not to get side tracked or discouraged. Your word is very important. **Don't take responsibility you can't perform and ask for help if you are having problems with a project. There is no excuse for a broken promise in this project.**
 - c. **Ability to Work both independently and as a Team Member:** Being able to be a team player, doing what is needed for the team is an asset to all. However, working independently with little or no direction shows dedication and willingness to learn.
 - d. **Interest in Science, Technology, Robotics and Related Fields:** The team member needs to have genuine interest and a overall goal related to these fields of study. Activities,

classes and career choices demonstrate this.

- e. **Demonstration of Honesty and Integrity:** Honesty and integrity are looked upon as important attributes of a quality person.

- f. **Time to Spend on Activities:** This team requires many hours of a student's free time. Careful planning and scheduling may be required to stay actively involved. In some cases, choices as to other activities may need to be made.

SELECTION PROCESS

Selecting a team is a very difficult task for the coaches. Typically there 100 or more applications including members from the previous years' team who also have to apply. Being a member on the team the previous year is no guarantee of a place the next year.

The process starts with the application. During the month of September applications are available to all active students at Clubfest and in the science department. Advertisement and recruiting for the applications is done via the announcements, teachers, word of mouth and postings in the locker areas of the school. **The application time period is approximately two weeks.**

All applications are due on or before the published date and time advertised. Late applications will not be accepted. All applications will be returned to the designated location.

Application Review Process:

All applications are reviewed for missing or inaccurate information. The applicant is contacted as needed to provide the data that is missing.

A review is conducted of the student's records in the office. Data on absences, tardy and referrals is gathered and noted on the application.

Interview Process:

All applicants are scheduled for an interview to be held after school hours. At this five to ten minute interview the student has a chance to meet the current coaches and answer questions regarding their skills, talents and interests.

Final Selection Process:

The coaches and a committee of senior team members look at all applicants and build a team that will accomplish the goals of the team. Hard decisions may be made to reduce the quantity to a target team size.

Notification: Students selected for the team will be hand delivered a letter of acceptance during the school day. An announcement will be made via the PA at the end of the day announcing the team.

Students not making the team will receive a letter of notification the following school day. All students will be encouraged to re-apply the next year.

FALL TEAM ACTIVITIES

During the fall, team members are expected to train younger members or improve their skills in their era of the team. Since the FIRST Competition team requires well-trained individuals, all students are encouraged to explore different areas of the team and become adept in one or two specific areas. We will also host many fund raisers and events during this period. It is a time to step up and show the coaches what you are capable of. At the end of the year, you will be rewarded. Setting up events like the body building show, Brunswick Eruption etc, requires individuals to focus on their work and demonstrate leadership capabilities. This is also a time for students to explore different activities and determine if it is for them or not. We will pay very close attention to every student's attendance, volunteering at mandatory events, and overall participation. To qualify for the travel team, you must demonstrate sufficient evidence that you are a worthy team member. It costs a lot of money to subsidize a trip for every student and therefore it is important to us to only take those who have proven their worth. Anything else would be unfair to the rest of the team.

There will an interview in December where we will review all your activities up to that point. You will be notified at this point if you made it to the travel team or not. Being on the travel roster for the previous year does not guarantee you a spot this year.

SUB-COMMITTEE'S AND TEAM POSITIONS

The Raider Robotix Team is made of several sub teams to get the FIRST project completed. By dividing into specialized groups students are able to focus on specific aspects of the project.

Awards/Chairman's Team:

SLOTS AVAILABLE: 4

The Chairman's Award is the greatest honor in the FIRST competition. The award is given to the team that best exemplifies the ideals of FIRST. To exemplify FIRST a team must show community involvement, demonstrate their partnership, inspire other teams, be a role model and be of service to the community of FIRST.

To earn this award the team must demonstrate all aspects of their team by the creation of a Chairman's submission in the form of a written submission and/or video. There are very specific criteria for this submission as well as a specific due date.

This sub team is made up of students that are interested in documenting our team's efforts in the form of a submission. This submission can take on many forms. Coordination with the other sub groups is essential for the success of the project. The resulting document is a chronicle of our team's efforts. This committee demands students with skills in writing, design, advertising and presenting. You will most likely end up creating 10,000 word essay, a portfolio, a power point presentation and various public relations material. This team reports directly to Mr. Cokeley.

Pit Crew:

SLOTS AVAILABLE: 4 - 6

The Pit Crew is a small group of students involved in the maintenance and creation of the robots, playing field, tools, and other accessories. During the off-season, students are expected to maintain current robots and tools. Once the competition season starts, the crew is responsible for the creation of a playing field to specific direction. At competitions, their major responsibility is the maintenance of the robot and tools. This job requires one to be punctual and present when required. It also requires one to be organized with tools and batteries. You must be willing to listen and learn from adults and work with your peers. This team reports to Mr. Suchowiecki and Mr. Lubniewski during the competition season and Mr. Cokeley in the off-season.

Build Crew:

SLOTS AVAILABLE: 4 - 10

This team does the actual assembly of the machine during the build phase. The jobs vary depending on the direction of the BMS shop crew and the abilities of the students. Normally this group dissolves into the Drive and Pit Teams once competition starts. Be aware that to be a part of this crew and to be trusted enough to work in the BMS workshop, you must demonstrate utmost respect for others, common sense, safe working skills, a lot of interest, hard work and good communication. This team reports Mr. Lubniewski, Mr. Suchowiecki and Mr. Cokeley.

Programming Team:

SLOTS AVAILABLE: 3

This team develops the code for the autonomous and teleoperated functions of the robot. The team learns the C programming language (and LabView Software) during the off-season and works on actually programming the robot during the season. This team is also involved in the development and workings of various sensors and electronics. This team reports to Bharat Nain.

Animation Team:

SLOTS AVAILABLE: INF.

The Animation Team uses 3D Studio Max and other professional software to plan, create, and edit computer-generated animations. Team members will be expected to commit large amounts of time, even during school vacations. This time commitment will vary depending on the sub-team that the team member belongs to. Members will be expected to attend additional meetings and go through software training. They must have a computer at home to work on projects. This team reports to Mr. Ciance.

Sub-Team	Jobs	Software Used
Storyboarding	Create a detailed storyboard	Microsoft Powerpoint
Modeling	Create the models for the animation	3D Studio Max
Animation	Animate models and add special effects	3D Studio Max
Editing	Edit animation and add effects, slate, and credits	Adobe Premiere Adobe Photoshop

Drive Team:

SLOTS AVAILABLE: 4

The Drive Team consists of an arm operator, a chassis driver and a human player. A competitive selection process using several robots from previous years selects the drive team. Students interested in becoming drivers should practice as much as possible to develop their skills. There is a main team and a back-up crew usually made up of rookie drivers.

The drive team is required to stay with the robot a majority of the time at the competitions. They will also arrive early and stay late to practice at the competitions. This group must interact with the Scouting Team and the Pit Crew .

This team reports to Mr. McNulty and Mr. Cokeley.

Scouting Team:

SLOTS AVAILABLE: 10

The Scouting team is formed prior to the competition. Students on this team will develop materials and methods to assess the competition giving our team as much advantage as possible. The collection of data and the analysis of the information will assist our team in all phases of the competition. The team is also responsible for the creation of the competitive assessment book working closely with the photo team. At the competition, this team will make a presentation to the drive team on Friday afternoon. The scouting team reports to Mr. Cokeley and Mr. McNulty.

Volcano Crew:

SLOTS AVAILABLE: 4

The Volcano Crew is formed in preparation for the competitions and team activities. At the competitions we show support for our team and other teams through cheering and other activities. Showing spirit at the competitions is very important. The Crew develops the cheers and organizes the development of our "unique" spirit activities.

At the competitions we also do special activities that allow us to bond and make friends with other teams, a very important aspect of our team.

This team reports to Mr. Goldman

Communications/Public Relations Team:

SLOTS AVAILABLE: 2

The Communications Team works to hone interviewing skills and presentations. They often speak directly to groups, judges and the media. At competitions they are stationed outside the pit area to greet other team members and present our image to the public.

The team will also keep up to date on FIRST rules revisions and inform the team throughout the competition season.

This team will submit press releases and articles to the local news on a monthly basis. They will take and archive photos of the events of the season.

Website

SLOTS AVAILABLE: 2

This develops many sections of our website www.raiderrobotix.org . Members of this team need to have internet access at home and have or be willing to learn basic HTML. Interest and expertise in photo/graphic work is a plus and will be need to be learned over time. The current webmaster is Brian Mollica. This team reports to Bharat Nain.

Video Team:

SLOTS AVAILABLE: 2

There are two focuses of the video sub team. The first focus is to create a video that partners with the Chairman's document. Usually this five to seven minute video is done in a creative way to support the information presented in the chairman's document and which can be used for team publicity. They also maintain a visual record of the team's activities through out the season.

The second focus is that of analysis of competing robot and its performance. The video team will record all the activity of our robot during practices and all matches. This video will be reviewed by the Drive Team and Build Crews immediately at the conclusion of the activity at a designated location. The information gathered will allow the team to analyze the performance as well as strategies used to play the game. The students on this team should have an interest in using the video camera and editing using computer software. This team reports to Mr. Cokeley and the Scouting team.

As you can see there are many teams for which members can specialize. Students will be placed upon a team based upon their interest whenever possible.

RAIDER ROBOTIX FIRST COMPETITION TEAM

Students successfully completing the fall phase will be placed on the official team after completing an interview in mid December. The placement on the official team will run until the end of the school year unless situations arise that would put a team member's status in jeopardy.

It is during this period that team leadership will evaluate the abilities of members for placement in the positions as drivers, pit crew, etc. Positions are subject to change according to the needs of the team and performance of the members.

All team members must reapply to the team each year. Placement on the team is not automatic because of experience.

PARTICIPATION

The FIRST Team requires many hours beyond the normal school day. All team members are required to participate in after school workshops, events and other team activities unless a valid reason for absence is provided. Usually the team meets Wednesdays (unless otherwise announced) during the fall semester from 2:30pm to 3:45pm. These are mandatory after-school meetings that focus on team building, and sub group work on a variety of tasks.

A formal roll call may or may not be taken during meetings and other activities, but the absence of a teammate is noted and remembered. It is understandable that team members may be bound to other extra-curricular activities, such as other teams or clubs, but it is expected that the necessary amount of time be spent with Robotix.

Students that take active and productive roles in the team will be rewarded by receiving important responsibilities. Those who are lazy, unproductive, and lack the dedication to attend all or most meetings and activities will not be entrusted with the same kinds of responsibilities. If a team member wishes to do something important, they must first show that they will follow through to the end and not leave tasks unfinished. This is to ensure that the team works efficiently and effectively.

SCHOOL WORK

All team members are expected to maintain all their grades and class work during the entire time he or she is on the Team. As a Raider Robotix FIRST Team member, you are held to a high standard that many other clubs or teams do not require. Our high standards and expectations are one of the strengths of our team.

Grades:

All Team members will be required to maintain at least a C+ average in all courses. Any team member that falls behind in their studies will not be allowed to travel with the team until their grades are once again at or above a C+.

Travel Assignments:

When we travel you are required to get all class work, assignments and readings before we leave. Please allow teachers several days to get these assignments ready for you. Getting these assignments is your responsibility. Upon your return to school all the assignments that have been missed will be due unless your teacher says otherwise.

BEHAVIOR

A Club/Team member's behavior is under scrutiny, at all times. It is very important that you understand that you represent North Brunswick High School, Bristol-Myers Squibb and foremost your team, Raider Robotix.

School:

Your behavior in school and specifically in the classroom is a message to all regarding the caliber of students on our team. You are looked upon as role models, and examples of the best students our school has to offer.

You are expected to be polite and respectful to all staff members and refrain from activities that are considered disruptive. Any club / Team member receiving a disciplinary of any type is subject to review by the coaches.

If you think you shouldn't do it, don't do it.

Events:

All eyes are on you every minute you are in public. Your behavior is a direct reflection on your character and on our team. A judge or member of another team may over hear what you say to one another and how you say it. Even the expressions on your face and body language may bring unwanted negative attention and bad impressions.

We are a very close family when we travel and conflicts may arise as a result. Students should refrain from rumors, he-said-she-said, and negative comments about one another. If a problem arises with another student you are requested to speak to a coach immediately. Students are not allowed to have physical conflicts with each other. If a problem such as this arises, both students may be disciplined as per school rules. If this occurs at a competition, you will be bought a plane ticket back home at your expense. We will not tolerate any disrespect or disruptive behavior.

Co-operation:

Students are requested to cooperate at all times. This is to mean that if a coach requests you to do something you will comply with the best of your ability. Ignoring the directions or requests of a coach is not in the team's best interest. If you feel a request is out of order, you are encouraged to complete the task then speak to the coaching staff at a later more appropriate time. Disrespect towards any coach or mentor will not be tolerated and you will receive severe punishments and possibly removed from the team.

Inappropriate Behaviors:

These behaviors include but are not limited to the following:

Running in hallways, pushing and shoving, name calling (negative), making messes, fighting, swearing, stealing, and all other activities that reflect negatively on the team.

Boyfriend/Girlfriend:

In the event that a relationship develops or is ongoing, there are certain guidelines that must be adhered to at all times when engaged in team activities local and away.

Hand-holding, hugging, kissing and other expressions of affection are prohibited at all times. The couple must also travel in a group at all times. Couples may not wander off or sit alone. In other words, they should not appear as a couple but as part of the team. Common sense should prevail at all times.

The coaches reserve the right to discipline a Club/Team member as necessary for safety and the overall good of the team. The parents will be informed of any disciplinary actions as soon as possible.

PLAN OF ASSISTANCE / PROBATION

There are several reasons why you would be placed upon probation and a plan of assistance. A Plan of Assistance is method of identifying a behavior and outlining the steps to correct the behavior within a specified time length of probation. The plan is a corrective method designed to assist the student and keep him or her eligible for the team.

Academic:

Monitoring your grades will occur on a regular basis. You are expected to be making academic eligibility as per school policy and maintain grades of at least C+. If we identify a class you are having difficulty in that may affect your GPA in a negative manner, you may be placed on probation with a Plan of Assistance. This written document (Plan of Assistance) will be provided and signed by the student and shared with the parents and the administration of the school. This document will contain suggestions for

improving and correcting the behavior, a timeline for the correction and a clear explanation as to what is expected. Included will be the outcomes and consequences associated with the behaviors.

You also will be placed upon a plan of assistance if you receive the grade of “F” in any class any marking period regardless of grade point average. Two “F’s” may result in dismissal from the team.

At the end of the probation length of time if the situation is not corrected you may have probation extended or you may be dropped from the team. This decision will be made after considering the effort and progress made during the time length.

AFTER SCHOOL ACTIVITIES

Many of our activities are after the school day ends, usually 2:27pm. During the fall phase, first semester, the activities are one or two a week and last about 1 to 1 ½ hours. During the competition season, 2nd semester, we will work each day as required. Students must provide their own transportation home. A phone will be available for student use.

Procedure:

As soon as school is dismissed you should go to your locker and secure all materials including homework that you want to take home and come to the FIRST room. This is because the commons area is usually locked after school.

During these after school activities students will work on many aspects of the competition. This is the time that the focus of your sub group is developed. Strong pre-season preparation makes for less stress during the competition season.

There are some specific tool skills that all students will learn during the after school activities. These include using a soldering iron, wiring connectors, drill press, grinder, dremel, hacksaw, wrenches, multimeters, and power hand tools.

Students will also learn about the process to design our robot. BMS engineers will present lessons on the usage of motors, the control system computer interface and the programming language. Presentations will also include the process of designing a robot for the FIRST competition that will occur second semester.

Students are encouraged to spend as much time as possible above the required activity days. This very important to get the project completed. Attendance will be taken and recorded in the student logbook giving credit for time spent on the project.

Other Responsibilities:

It is understood that our students are very busy in many other school activities. These activities are encouraged and supported by our team. It is the responsibility of the student to manage and balance all their activities, informing the sponsors of their commitments.

Sports teams provide different challenges and different stress upon your time. It is important to communicate with your coaches to work out the timing of your activities. Often these activities can be accommodated to the satisfaction of both activities.

There are some instances however, where the timing cannot be resolved. **In this case you may have to choose which activity you will be putting your time and effort into.** Please discuss this problem with a coach before you make a final decision.

HEALTH

Each Club/Team member needs to have a complete medical form on record for the school. You will not be allowed to travel if the school does not have you on record. It is required by the school anyway. Your medical records should be on file in the school's nurses office.

In the event you become ill on a trip, transportation home will be at the parents' expense using first available transportation.

It is suggested that all students take precautions when being exposed to the sun for any length of time. Use of sunscreens is encouraged.

It is important that you do not travel if you are ill.

UNIFORMS

Our uniform is an important part of our image and thus must be maintained with dignity and care. There are several parts to our uniform that may be worn in several combinations.

For serious occasions we wear the **Raider Robotix Team Polo** with tan/brown **khaki pants** and dark shoes or sneakers. This is worn when we represent the team for interviews or to the press.

The cheering team uniform for Raider Robotix is the **Hawaiian Aloha Shirt**. These are generally obtained from Royal Hawaiian Creations in Honolulu. Each year the team chooses a new design for the following season and we use the sale of shirts as a fall fundraiser. Students purchase their Hawaiian shirts annually and usually buy several so they have a change of clothes on trips.

FIRST caps are allowed and encouraged. Hawaiian shirt printed items like sarongs are allowed.

Pants are allowed to be variable. However in the robot areas long pants and closed shoes are required.

Please note that any time, wearing inappropriate clothing (you know what this is) is strictly discouraged and may carry serious consequences. While at robotics, you are a part of the team and its image.

Care:

The care and cleaning of the uniform is the students' responsibility. Please wash the shirt in very mild soap using warm or cold water. Drying should be limited to hanging or drying on the low setting.

Please use NO bleach or harsh detergents on any of the uniform items.

Appropriate Use:

A full uniform is described as the aloha shirt over the polo shirt, khaki pants, dark closed shoes, and FIRST cap if desired.

Shirts will be worn at designated days and events. Usually a specified shirt will be worn every meeting day.

Additional aloha shirts will be available for purchase by students and parents as stock allows.

Students are allowed to trade aloha shirts without permission of the coaches but they are responsible for having a complete uniform throughout the season.

COACHES

The coaches of our team are dedicated teachers working hard to make the season a success. Most of the work is done when we are not looking. Their work includes team organization, financial planning, overall team management and much more.

While we are on trips, they are considered to be like parents. From taking care of the students to making sure we are doing fine, their efforts are immeasurable. They are always on the lookout for us and therefore we should obey them at all times. Misbehavior towards coaches (especially during competitions) will result in severe consequences which will lead you to be removed from the team and face consequences from the school.

If you have any concerns with the activities of a coach or their behavior toward you or others please talk to a team leader first. If the situation is not resolved the next step is to talk to the school administration.

ENGINEERS

Extremely dedicated and talented, the engineers from Bristol-Myers Squibb & Company help us throughout the season. The quality of their efforts can be seen in our robots. Since we won the Championship in 2000, they have been with us, and are truly amazing individuals to know. Like the coaches, these people are a great source of wisdom and knowledge to you.

At all times, during build season and competitions we give these people all the respect that we can. While their decisions might not seem right to you at times, over time you will come to realize they do everything from experience. To earn a spot working with the tradesmen is an honor and achieved by visible effort to contribute to the build and pit team efforts. You should maintain a positive attitude and thank them for their work and dedication. Their work is voluntary and the benefit is for you.

WORK AT BMS

Selected students will get a chance to work with the engineers at Bristol-Myers Squibb & Company. Transportation is the student's responsibility and the student will be notified on the exact location we meet. Before you can visit the facility, a list of students going is required to be sent to BMS as a security procedure. When you arrive, you will be asked to Sign in and will be given a security badge. Sign out when upon leaving and return the badge.

Stay with the group at ALL times, and never go into areas you are not supposed to, or required to. Remember that we are guests at BMS, and we should watch our manners. Throw any garbage, keep the place neat, and watch your behavior. It is a huge privilege to work there. Safety rules are in effect at all times and safety gear must be worn. There are also many other workers/officials there who you must show utmost respect and demonstrate appropriate behavior.

FUNDRAISING

All students are required to participate in all team fundraising activities. The funds raised are typically used for student expenses while we are traveling. Travel costs are supplemented by money from the team treasury obtained as a part of our sponsorship grant.

Every student has an individual fund raising account maintained by the coaches. Profits made from fund raisers are accumulated in these accounts and spent for travel expenses with the team. In the event a student leaves the team the travel account is forfeit and is absorbed in the general treasury of the team.

The RPM parent group will soon be responsible for arranging various fund raising activities throughout the year.

Hawaiian Shirt Sale- Each year the team sells Hawaiian shirts as a fund raiser for the team. These shirts represent the color pattern the team has chosen for the season and is used as our seasonal uniform. The team also gives shirts to special friends and dignitaries as a gesture of good faith.

Selling the shirts to the public and friends means that we will have a non-team support section cheering for us at events. The Hawaiian shirts have become a trademark for our team and remind us that the National event at the end of the year is held in a tropical part of the country to which we would like to travel.

Car Washes- Typically the team has 1-3 car wash fund raisers through the year. These are held at the Our Lady of Peace Church. All members are expected to participate in these events and profits are divided amongst the participants individual accounts.

Other fundraisers may include raffle sales, and other items as deemed appropriate. **All fund raisers must meet the criteria of having little or no initial outlay and having reasonable profit for the time expended.** The fundraising committee is always open to suggestions of ways to earn money for the team. Please contact a coach with your ideas.

If parents have an objection to their student participating in any fundraising activity they are asked to speak to the coaches for an alternate method of replacing this revenue for their student.

BRUNSWICK ERUPTION

The Brunswick Eruption is a FIRST like competition we run for other FIRST teams from all over the United States. Working with NASA engineers our team borrows and constructs a FIRST field at NBTHS and we host a replay of that season's game.

Typically there are 24 or more schools and approximately 1500 persons at this event. The gym is decorated; there is a pit area, and an operations setup highlighting all the activity.

Team members will be involved in the construction of the field, our competition team, hospitality to other teams and operation of the event. Each student will assist in the setup on Friday prior to the event. This is all day long and may involve some early evening activity.

On Saturday students will be assigned a task for the day. It is important that all students participate in this activity for the entire length of the activity. This is a very busy day for everyone involved including your parents who will assist us in the concession area. The profits of this event are used to pay for our team travel activities and to develop new teams in the region.

TRAVEL

Traveling as a team is very exciting and rewarding and often the highlight of a student's memories. A great deal of planning and organization is required to coordinate all the associated activities. A strong effort is made to make the travel to be a educational / cultural experience as well as the basic competition. Safety is always the major concern.

All team members are eligible to travel to all events unless otherwise exempted. A student may be exempted from travel due to a prior commitment approved by the coaches in advance or disciplinary reasons from the coaches or principals. All team members are expected to attend all events. Failure to attend an event may result in dismissal from the team.

Air Travel:

Traveling on aircraft is fun and exciting for most team members. There are special procedures we must follow to ensure safe and efficient travel.

We will wear FULL uniform for travel at all times. Items that are not designated as team uniform will not be worn. This includes head coverings, scarves, and other non-uniform items. Note: coat in winter is allowed.

We will meet at NBTHS at the designated time and location. Please be on time, as we will not wait for students. Have a back up system to your alarm clock and travel to the school. Note: All students will assist in loading the luggage on the bus and unloading at the airport. Having several students in the bus handing the luggage out to the waiting students best does this. We must be as quick as possible.

At the airport after unloading the luggage we will form two lines of students moving to a designated area. It is key to stay out of the way of other travelers and to keep talking to a minimum at all times. If it is winter students and coaches will remove outer coats to expose our uniform as soon as we are inside the terminal.

Once inside students will stay in the designated area at all times. Luggage is not to be out of our control at any time. If students need to use the restroom he or she will need permission of a coach. When we are ready to process your luggage and tickets students will form a line based upon alpha order. Mr. Goldman will see that the team proceeds in orderly fashion.

Packing:

A word on luggage is critical at this point. It is very important to pack efficiently. That means to bring only the clothes and items that are necessary and required. Remember students must carry their own luggage in the airport. There is no prize for the largest luggage. You are only allowed 1 suitcase, and one approved team carry-on. All luggages must be identified with the name and address on a tag prior to entering the airport. Additionally, with the growing strictness of flying regulations, please check the flight websites for packing guidelines. We do not want to be held back for any reason.

Counter Procedure:

Students will be processing their luggage and ticket at the counter. Again, it will be alphabetical order – except the coaches who will go first to assist the process. At the counter students will show the agents their **school Identification**. It is important to have the identification ready to be shown. You will also be asked several questions regarding your luggage. This is a serious time pay close attention. When complete move to designated location while the others are processed.

Security Check:

When all members have been processed, the team will proceed through the security checkpoints. At this point all metal items including change, cell phones, pagers and keys should be placed in the carry on item. Form a single line placing items on the conveyer when appropriate. If is winter you will place your coat on conveyer. Wait to be directed through the detector by the security person. Collect all items and wait at designated area. Here you will need to stay close to wall out of traffic area. As a reminder, keep talking to a minimum and wait for directions.

When we have all gone through the process we will proceed to the gate. Do not stop at the bathrooms, get a snack or wander away from the group. Permission will be given later if time permits.

At the gate find a seat, stay with our group and wait for further instructions. If time allows, you will be allowed to go to the bathroom or to get a snack. NOTE: We travel in groups of three or more at all times. If leaving your carry-on please ask another student to keep control of your bag.

We will take attendance several times in the airport. Please be aware of your group and refer to the attendance process outlined in the section on attendance.

Plane Entry:

The coaches will issue a boarding pass at the gate. This process will vary depending on the airlines and the workers at the gate. If you are given a boarding pass, do not put it away at this time, have it ready for boarding. A coach for safekeeping will collect the remaining boarding passes. Directions will be given for you to board the plane. When entering the aircraft, please go to the assigned seat. Locate an empty spot overhead and store carry on or place it under the seat. Once seated follow all directions as given. Trading seats is only allowed with the coaches' permission.

If the flight serves food or drink please be very careful to avoid spills.

If you feel ill or need assistance please get the attention of one of the coaches. Some persons have a problem with the air pressure and the effect on the ears. Chewing gum, swallowing frequently sometimes helps. Consult your doctor prior to travel if this is a known problem.

Plane Exit:

After we land exit in a safe manner. Be courteous to others as you exit. Remember to get the carry-on luggage and other materials before leaving.

Upon exiting the plane, the team will gather to the side out of traffic. Listen and watch for the directions of the coaches.

We will then proceed after attendance to the baggage area. Walk in double file lines to the side away from traffic. At the luggage claim wait and watch for your luggage. Once you get your luggage go to the designated location and wait for directions. We will follow earlier directions for loading the waiting transportation.

Bus:

Often we use buses as our mode of transportation. We will store luggage in lower compartments or on another bus if needed. Do not open windows without permission. If having a snack or drink dispose of the mess when finished. When leaving the bus make a check of the area to make sure all belongings have been accounted for.

Car:

Often parents, coaches and engineers will transport students to different events. At all times, all persons must wear seatbelts.

COMPETITIONS

Typically our team attends two regional and the World Championship Event.

Regional Events:

A regional event may be close or a distance away. Which regional events we attend is dependent upon location and timing of the events. Usually we do one local event and another where we can best showcase our team and are exposed to a variety of quality robots.

Often we travel by plane to the events out of state. Refer to the section on travel.

Most regional events follow a set pattern:

Wednesday: This is the day we typically arrive on; this is the day before the competition starts. Depending on arrival time we try to schedule in tours, sightseeing or other team events. Some evening activities may be planned depending on our location and time of arrival.

Prior to our arrival, all students will be given a schedule that outlines their responsibilities every hour of the day. All students are expected to follow this schedule as closely as possible. This should be kept with them at all times.

Thursday: The drive team and some of the pit crew arrive at the event early to set up the pits, unpack the robot and start the robot inspection process. The main team will have breakfast together in a private dining room at the hotel, if available. The main team will stay at the hotel using the time for a study period. The main team arrives at the venue before noon.

When the team arrives it starts the competitive assessment process, locates a place in the stands, and walks around getting to know the other teams by trading buttons with them.

Usually our robot will practice several times during the afternoon. While waiting for our robot, the photo/scouting team is taking pictures of each robot, and the competitive assessment team is reviewing the performance of the other robots. Usually the day ends at 5:00pm. The drive team and pit crew may be required to stay and work on the robot until the pit closes.

The remainder of the team will go to dinner as a group if possible. When dinner is done the team will return to the hotel depending on time. A meeting is usually held within the hotel in a meeting room at about 10:00pm. Lights are out at 11:00pm.

Friday: In the morning the team will have breakfast together. The entire team will arrive at the competition as soon as the venue is open, typically 8:00am. The main team will locate a place in the stands, while the photo and competitive assessment teams work on their assignments. The video team will prepare to film each match and replay it at the fifth quarter (the debriefing after the match has concluded) to review the performance and strategy. We may have as many as four or five seeding matches on Friday.

Saturday morning the pits open up at 8:00am. Our team would have had breakfast earlier that morning. Upon entering our team again locates a place in the stands. Opening ceremonies start at 9:00am with the final seeding matches following. Depending on the format of the competition the finals occur in the early afternoon. The format of these finals varies from year to year.

At the conclusion of the competition there is an award ceremony where the remaining trophies are passed out. When this is complete the pit crew and drivers pack up the robot for shipping back to the school. This is usually around 5:00pm. Due to the distance and the cost of transportation we usually stay Saturday evening. Dinner will be at a convenient location.

Sunday morning we may be leaving early depending on transportation availability. A local event will be formatted the same way with the exception of the transportation, breakfast, and free time.

Competition Protocol:

There are certain practices that we have found to be very successful and have earned us many rewards and the respect of the FIRST community.

Cheering: *Cheering is more than yelling at the top of your lungs.* True cheering is enjoying the event and celebrating the excitement of the moment. Organization is the key to this being a powerful tool. Your spirit leaders will give you direction and guidance for this activity. You are not expected to be cheering 100% of the time, however, when we are cheering all team members are expected to stand and cheer to the best of their ability. Sitting in the stands looking bored, playing video games, carrying on personal conversations while others are cheering is not good for the team image and is not permitted.

Award Ceremony: During the ceremony we will applaud the teams that are winning awards. When we applaud we will stand to show our respect for what they have accomplished.

Greetings: There are certain persons in the FIRST organization that we make an effort to greet on a personal level. If you see Dean or Woody enter the area and you have not said hello, make an effort to go to where they are and greet them. If they are engaged in a conversation with another person please be respectful at all times.

Litter: If you see a mess (paper or trash) you should make an effort to pick it up. That goes for the area you are sitting as well as any other location in the arena.

Things We Do Not Do At An Event:

Wearing of personal music devices is forbidden while in uniform or at an event.

Uniforms may not be altered or worn in any manner not approved by the coaches.

Students may not play cards or any other games at the event.

Our team will not engage in negative behavior toward another team or team member.

Our team will not display displeasure over any decision by a referee or judge.

Team members will not exchange negative remarks to each other, no matter what the situation.

Championship Event:

The championship event is very similar to a regional event in many ways but on a much larger scale. There will be teams from all over the World.

Wednesday we try to arrive very early in the event city. After proceeding to the hotel to drop off our luggage we typically spend the majority and remainder of the day at the event complex. Students are free to explore. As always students will travel in groups at all times. Students are expected to be back at the hotel at the predetermined time for a team meeting.

Thursday morning we have a group breakfast and all proceed to the event. The pit crew and drivers will set up the pit and prepare the robot for inspection. Button trading, scouting involving the photo and video teams and other specific events occur throughout the day. We will have two practice matches spread during the day. All team members are required to stay at the event and with the team until released by the coaches.

We will provide a refreshment station for our team. Team members will be able to get drinks and snacks there at no cost. Lunch is available from several vendors for a fee.

If the practice rounds finish early enough students will be released to go to local activities. All team members will be required to be back at the hotel at the pre-determined time. Please allow enough time for transportation. There will be a team meeting at a specified location and time. Typically we have a meeting every evening to recap the events of the day.

Friday will start with opening ceremonies in the main arena. The seeding matches will follow this spectacular event. We will usually get three or four matches that are spread throughout the day. We will pass out the newspapers and other items as planned.

Friday is also the day when the judges will make their rounds to each team. There will be two Communications students in the pits at all times. This is the last opportunity to be proactive regarding the Chairman's Award. Every effort must be made to show all the great things our team has done.

The team will be dismissed to go to local attractions if time allows. The scouting team will meet back at the hotel to complete competitive assessment materials in preparation for the competition on Saturday.

Students will be required to be back at the hotel at the pre-determined time. Please allow enough time for transportation. There will be a team meeting at a specified location and time.

Saturday: After breakfast as a group, we will proceed to the competition as soon as the pits open. At 9:00am there will be another opening ceremony. You will not want to miss this event. We will sit together as a team. The seeding rounds continue until about noon. Depending on the configuration of the competition, the finals will be held in the afternoon.

Following the last matches, the award ceremony starts. This ceremony takes about 1½ hours. The team will sit together for the duration of the ceremonies. Following the last award FIRST will provide an entertainment spectacular that is always a treat to see. You will not want to miss this.

There will be a team party following the awards that will take place in event center. You will need some type of entrance pass; this varies from year to year. At this party there will be food and sidewalk entertainment. Many rides and attractions will be open for a limited time that evening. You will be required to be back at the hotel at the pre-determined time. Please allow enough time for transportation. There will be a team meeting at a specified location and time.

Sunday: What we do will depend on arrangements, funds and transportation. This arrangement will greatly depend on student fundraising activities. There will be an opportunity to help plan additional arrangements as soon as details are released by the FIRST organization.

Championship Set-up:

The setup of the championship varies each year. In previous years, it has been held at the Georgia Dome in Atlanta, Georgia, where there is seating for many thousand people. There will be a main stage that will host the opening ceremonies, some matches and the finals.

In addition there is a main pit area. Within this air-conditioned area each team will have a pit space that may be arranged numerically or by division. Imagine an area that will hold over 300 teams and the team members associated. This varies from year to year. Adjacent to the pits is the main domed stadium that will house playing fields to hold the seeding events. Which field we are on and when we will play will depend on the schedule provided at the start of the tournament.

Depending on where we stay, the transportation available will vary. If we stay off site we will have our own bus transportation.

HOTEL

When we travel we often stay at a hotel for several nights. **Students will be organized into room groups of either three or four students, depending on quantity of students and room availability. Students may be allowed to select roommates of their choice. There are no co-ed rooms; rooms are either male or female. Each room will have a coach assigned to monitor and coordinate activities, this includes room inspections.**

Check-in:

When we enter the hotel students will go to a designated location to wait for keys. At that location students will need to be very quiet as to not disturb the other guests. The room captains will be given the room keys to distribute. Often each person will have a key. If this is not the case, each room will need to designate who has the key.

Students will proceed to the rooms as soon as key distribution is complete. If your room is not ready your luggage will be put in another room until your room is ready. Upon entering your room you should complete the room inspection form and have it ready for the coach.

Often there is free time in the hotel to get snacks, play in the game room or swim. If there is a pool a coach must be present to swim or use the hot tub. Appropriate attire is required. Please check with a coach if there is any question.

PARENT RESPONSIBILITIES

Parents are an integral part of our team and are very important to our continued success. Parents are also a key factor in the motivation and dedication of their student. Supporting their son/daughter in all aspects of their team involvement is key to them getting the most out of the program. Parents should become active in the RPM group led by Mr. and Mrs. Ciance.

Parents have several responsibilities, they are:

- To provide timely transportation for the student. Making sure that they are at the required events on time and ready to participate. Often we will leave for a competition very early in the morning to facilitate transportation. Parents are expected to have the student at the designated location at the prescribed time. We will not delay transportation.
- Upon return from a event parents are expected to provide transportation at the designated time. Late transportation causes an inconvenience to all involved.
- Parents are expected to assist their student in all fundraising activities.
- Parents are expected to participate in the Brunswick Eruption by assisting with the food service and other committees that also serve as a fundraiser.
- Parents are expected to provide transportation to local events, including the Breakfast Club, Saturday work sessions, after school sessions and local competitions.
- Parents are expected to provide accurate medical information and to keep coaches informed of all changes.
- Parents are also expected to help the student with spending money as is appropriate when we are at events or competitions.
- Parents are encouraged to participate in team activities whenever possible.
- Parents will participate in the "Breakfast Club" activities by forming teams that will provide breakfast and lunches on selected dates and selected activities.

E-MAIL

All students are expected to have an **active e-mail address**. This form of communication is by far the fastest and most efficient mode of communication. Please provide your address to the coaches for the data base records.

If you do not have Internet access at home to participate in e-mail, you will be assigned an e-mail buddy. The e-mail buddy will pass on any important messages via the phone.

It is suggested that you monitor your e-mail twice a day, early in the morning (before 7:00am) and late evening (after 9:00pm).

There are many free e-mail services please check with the coaches if you have any questions.

OTHER COMPETITIONS

Our team is often invited to pre and post season competitions. Our involvement in these activities will depend upon timing and the availability of our team. Most of these competitions are local and will not involve organized travel to any great extent, as they are one-day events.

This is the opportunity for our "Rookies" to get the feel of real competition before the season starts. Often this is also the opportunity for our drive team to get practice and rookie drivers to see what it is all about.

APPENDIX- AWARDS ACHIEVED BY RAIDER ROBOTIX (UPDATED 8/07)

2007

- 2007: NJ Regional Champions
- 2007: NJ Regional #1 Seed
- 2007: NJ Regional General Motors Industrial Design Award
- 2007: First team to break the rack.
- 2007: UTC Woodie Flowers Award (Paul Kloberg)
- 2007: UTC Regional Finalist
- 2007: Championships Galileo #3 Seed (Undefeated through qualification)
- 2007: Official Season Record: 32-8-2
- 2007: PARC #1 Seed
- 2007: PARC Champions
- 2007: PARC Out of the PARC Award
- 2007: Battle O' Baltimore #1 Seed
- 2007: Battle O' Baltimore Champions

2006

- 2006: NJ Regional Champions
- 2006: NJ Regional Chairman's Award
- 2006: NJ Regional Woodie Flowers Award
- 2006: NJ Regional #1 Seed
- 2006: Las Vegas Regional Champions
- 2006: Las Vegas Delphi "Driving Tomorrow's Technology" Award
- 2006: Las Vegas Regional #1 Seed
- 2006: Championship **Newton** Division Winners
- 2006: Championship Finalists
- 2006: Championship Delphi "Driving Tomorrow's Technology" Award
- 2006: Nominated for the Entrepreneurship Award at 2006 World Championships
- 2006: Official Season Record: 45-5-0
- 2006: PARC Champions
- 2006: Monty Madness Champions
- 2006: IRI #1 Seed
- 2006: IRI Semifinalists
- 2006: Duel on the Delaware 2006 Champions
- 2006: Ramp Riot Quarter-Finalists

2005

- 2005: NJ Regional Johnson&Johnson Sportsmanship award
- 2005: NJ Regional Delphi "Driving Tomorrow's Technology" award
- 2005: South Carolina Regional Finalist
- 2005: South Carolina GM Industrial Design Award
- 2005: Pennsylvania Annual Robotics Challenge (PARC) Champions

- 2005: Montclair Mayhem Finalists
- 2005: Indiana Robotics Invitational (IRI) Semi-finalists
- 2005: Capital Clash Quarterfinalists
- 2005: Our 2004 Robot loaned to a Pre-Rookie won Duel On The Delaware
- 2005: Ramp Riot Champions

2004

- 2004: NJ Regional Leadership in Control Award
- 2004: Chesapeake Regional Engineering Inspiration
- 2004: Duel on the Delaware Champions
- 2004: Frenzy Finale Champions
- 2004: Ramp Riot Champions
- 2004: Brunswick Eruption Finalists
- 2004: PARC Quarterfinalists

2003

- 2003: Championship Finalists
- 2003: Championship **Curie** Division Winners
- 2003: New Jersey Regional Champions
- 2003: Chesapeake Regional Judge's Award
- 2003: PARC Champions
- 2003: Indiana Robotics Invitational Semi-finalists
- 2003: Duel on the Delaware Quarterfinalists
- 2003: Ramp Riot Quarterfinalists
- 2003: Brunswick Eruption Quarterfinalists

2002

- 2002: NJ Regional Finalist
- 2002: NJ Regional Engineering Inspiration Award
- 2002: Championship **Archimedes** Division Winners
- 2002: Duel on the Delaware Champions
- 2002: Brunswick Eruption Champions
- 2002: Ramp Riot Champions

2001

- 2001: Mid-Atlantic Regional Xerox Creativity Award

2000

- 2000: NJ Regional Champions
- 2000: Nationals Division Winner
- 2000: National Champions