

# ROCKETRY TEAM FACT SHEET

**CATEGORY:**  
Academics

**SPONSORS:** Amanda Lawrence, Joseph Stevens  
and David Hyde

**PRE-REQUISITES:**  
Must apply; new students  
encouraged but only 16-20 chosen

**MEETINGS:**  
Mondays after school & optional  
time after school Thursdays

**DUES:** \$40

**OTHER MONETARY  
REQUIREMENTS:**  
None

**DESCRIPTION:**  
The Rocketry Team competes in the  
Team America Rocketry Challenge  
(TARC) to design, build, launch, and  
redesign rockets to try to reach goals that  
change each year.

**TRAVEL:** Required

Students travel to rocket launches on  
Monday afternoons about 5-8 times  
in the school year. This travel is just  
to a launch site in South Bossier, and  
students return the same evening.

**PARENTAL  
INVOLVEMENT:**  
Parents can help out  
with fundraisers.

**REQUIREMENTS TO MAINTAIN  
MEMBERSHIP:**  
Students must attend every Monday meeting  
(unless there are extenuating circumstances that  
are communicated in advance.) Students must be  
productive at these meetings and at the launches,  
and act appropriately.

**BENEFITS AND OTHER GOOD INFORMATION:**  
Students gain hands on experience with the engineering design process. They use  
computer simulations to predict the launch parameters for their rockets, then test  
the outcome and continue to revise their designs. Students may learn to use the 3D  
printer and/or X-carve to create rocket pieces. Rocketry requires a significant  
commitment of time and energy. This is not a club students can just drop in on  
occasionally - they are members of a team that need their participation to be  
successful! It is also incredibly satisfying to watch the rockets get closer and closer  
to the desired height and flight time.