

TARC Dates

Registration by Nov 15

Qualification flight between

September 6 - April 8

Nationals May 19

5th Annual Team America Rocketry Challenge

It is rocket science, after all...



Thousands of students each year compete in the Team America Rocketry Challenge, the world's largest model rocket contest.

Your school can compete against other schools and organizations from across the country for its share of \$60,000 in prizes!

To win, each team must design, build, and fly a model rocket that carries one raw egg. The goal is to fly to 850 feet and stay aloft for 45 seconds. Whoever is the closest to both and brings the egg back unbroken wins!

2007 Contest Applications available beginning September 6, 2006

Application Deadline is November 15, 2006

2007

Mr. Bird in Space

http://ms.go.com/retrieve?card_id=7D54CFA1C998070E090D112C31165DB7

TARC vs.

TOP 10 split \$60,000

- student only
- national contest
- 850 ft, 45 sec, 1 egg

success measured

- product
- 2 chances to qualify
- testing not the focus

- COMPETITION

- community support optional
- student focused
- recommended schedule provided



Oct 16 \$1500 + \$1000

- community involvement but student lead
- invited to submit proposal for NASA contract
- 1 mile with scientific payload
i.e. 5280 ft with onboard experiment

- process
- 4 reports + proposal
- test everything, written safety plan required

- NASA Contract

- written plan for "community support" required
- must do outreach project to engage young people

(Boy Scouts, Girl Scouts, home school groups, sister schools, public schools, etc.)

- develop your own timeline for project milestones

Additional requirements

- NAR mentor
- Teleconferencing
- Budget for all proposed activities
- Outline state and national educational standards that meet by this program
- Technical Design
- Scale model flown soon enough before Jan 22 so that report and ppt can be done

#1) Do we choose to go?



We can do it one small step at a time.



#2) Give me a date for scale launch



Next - blue swf

January 2007



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1 break	2	3	4 J-term	5	6
7	8	9	10	11	12	13
14	15 Launch Scale MLK no school	16	17	18	19 End of J-term	20
21	22 Spiritual Emphasis Day	23	24	25	26	27
28	29	30	31			



- But before we get too far into planning let's consider what a CHRISTIAN rocketry program looks like.

- How do we look, think and act differently than a group that does not have a Biblical Christian worldview?

*... belong to man,
... tongue is from the LORD.
... to the LORD,
... will be established.
... works out everything for his own ends*

1st & 2nd Commandment:

No God but God

1. We deny the false god of LUCK!

We will grow in our walk with Jesus by trusting in His sovereign control of all things. We will pray, asking for wisdom, His Spirit to act as Christians, and success as He sees fit to bless.

Suffering/Trials

2. As trials and setbacks or sufferings come we will receive them as a thing to learn from, not as a cause of cursing or God-denying frustration. We will trust in God.

Motivation *Prov 25:2 It is the glory of God to conceal a matter; to search out a matter is the glory of kings.
Psalm 111:2 The works of the Lord are great; studied by all who delight in them.*

3. The cultural mandate in Genesis 1:28 teach us that we are to exercise dominion for the glory of God over all sphere's of life.

"There is not one square inch of the entire creation about which Jesus Christ does not cry out, 'This is mine! T belongs to me!'" May we claim the crown rights of Jesus over rocketry.

"The Adamic human race perverts the cosmos; the Christian human race renews it... God's people are called promote renewal in every department of creation."

As Christian we ought to be able to come up with a truly useful experiment for the NASA proposal



Take a couple of minutes a craft a statement for the following topics.



Thanks

We will give thanks and glory to God even when our plans don't work out. We will also keep supporters involved with updates on our progress by sending them a thank you.

Ephesians 5:20, "always giving thanks to God the Father for everything, in the name of our Lord Jesus Christ."

Effort

We always finish our tasks to completion in order to give glory to God and to fully grasp all opportunities He has provided. We always want to do as Colossians 3:23 commands, "Whatever you do, work at it with all your heart, as working for the Lord, not for men." We want to give all glory and honor to God in everything and show what He has done through us with our words and actions.

Procrastination

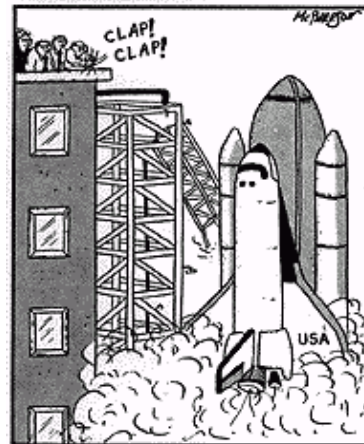
Prov21:5 The plans of the diligent lead to profit as surely as haste leads to poverty.

We will get things done early, not just "on time." Not only does this bring glory to God, it shows a higher level of maturity which as high school students (and Christians) we should possess. 1 Cor. 14:20 b: "In regard to evil be infants, but in your thinking be adults."

NASA SLI

- Project manager (budget)
 - Em
- Rocket lead
 - Sarah
- Electronic manager
 - Kaleb Kline
- SAFETY officer
 - Jung Up
- Public Relations - outreach/fundraiser
 - David Becerra
- Webmaster
 - Ryan Whited
- Video Production/Historian
 - Jeremy

- Austin
- Schin
- Mears



In a technological breakthrough that revolutionized the space industry, NASA successfully launches the first space shuttle mission to be activated by The Clapper®.

Next meeting

J-term

CS3. covenantchristian.org/rocketsNASA

TARC Red

- Klein-Sarah
- Em
- Kat
- Sheen
- Becerra

BLUE

Mears

- Jonathan Osborn
- Schin
- Austin
- Park

- Joshua Thalman

- ### WHITE TEAM
- Kaleb Klein
 - Ryan Whited
 - Jeremy
 - Moody
 - Jonathan Rerden

Seth Bawel

Payload:

Test a product
"work in zero gravity"

How well does something hold
up under ? g's

Eject something from a mile high

Shooting bugs

Guided landing

targeted Photo

August 2006



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24 I before school	25	26
27	28	29	30	31		

September 2006



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	
					1	2
3	4 no school Labor Day	5 7:30	6	7	8	9
10	11	12	13	14	15	16
17	18	19 ISTEP no school juniors & seniors	20 ISTEP no morning classes for most juniors and seniors. Mr. Bird is speaking at NCTM conference in Chicago	21	22	23
24	25	26	27 NHS induction 7pm	28	29	30

(SLI rocket proposal due)

October 2006



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	
1	2	3	4	5	6	7
8	9	10	11	12	13	14
			PSAT	Fall Break - teachers at ACSI on day		
15	16	17	18	19	Grandparents Day 20	21
		END of 1st grading period (41 days)				
22	23	24	25	26	27	28
29	30	31				

April 2007



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	
1	2	3	4	5	6	7
Break						
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
NASA SLI: Rocket Fair & Launch						
29	30					
no school possible snow make up						

May 2007



AP exam schedule

Sunday	Monday	Tuesday	AP exam schedule Wednesday	Thursday	Friday	
		1	2	3	4	5
6	7	8	AP Calc a.m. 9	10	11	12
13	AP Physics p.m. 14	AP Chem a.m. 15	16	17	18	19
		Academic Awards				TARC
20	21	22	23	24	25 Final Report due	26
				senior finals		
27	28 Memorial Day no school	29	30	31	June 1 End of 4th quarter (43 days) End of 2nd semester (86 days)	June 2 2p.m. commencement
			Finals 1/2 days -----			