The Top Ten Student Commitments to

Drum Roll Please

Teach kids to start a drum roll when facilitator's hand is above her/his head and stop when the hand is dropped. Talk about Letterman's top ten reasons and then share the Challenge top ten Commitments.

Place student page on the screen. Have students skim along with you as you click on students' links. Use this document to “babble” about each link.

Number six, research, involves reading and reporting and would take about 25 minutes.

10 Work on School Year Long Project.
computational science = math, science and modeling with computers

Show Computational Science Venn Diagram (will be on web)
measure something, model something, something you are interested in or you won't stick with it

Talk about backwards planning,
assessments Interim reports, oral presentation, final reports and presentations timeline

9 Think of the Challenge as an Academic Marathon.
anyone who finishes is a winner
have help along the way...Monday Morning Messages, teacher sponsors, consult, mentors,

8 Work with Teammates and Mentors.
not solitary...with teacher, other students, a mentor, hard work, important to employers, authentic learning, talk about your experiences with teamwork
talk about how to write to mentors

7 Meet Deadlines
share handout of dates
starts with registration...ends with Awards Day, authentic learning, hard, need to keep track of all the dates, need to write them on calendar
have students find the college nearest to them and place in the February date for their oral presentation.

6 Do and Cite Research.
at least three references, not all on the Internet, bibliography, due with Interim report
Jigsaw each of the eight pieces. Divide the group up into 8 groups...by teams or people at table.

Look at one section as a team and write down and report three points back to the group

5 Read Challenge Email Weekly and Blog Often.
report progress on blog, have them sign into the blog if time permits
write to consult with questions, recommendations, kudos

4 Do Technical Writing.
not taught in school..
do three for the Challenge, proposal or mid school scientist interview, interim and final report, examples on the web

3 Use Challenge Technical Guide.
Learn Programming...Net Logo, TNG, Python or Java on Challenge Technical Guide

2 Do Oral Presentations.
present to parents and peers in Jan.
judges in Feb. at a college near you
judges in April in Los Alamos,
no gum chewing, slouching, wear something that makes you look "professional"

1 Work on Problem Solving.
so important in any job, critical thinking, higher order thinking skills, lifelong learning...
go through the slides