

AAE251 Vehicle of the Week (VotW) Information

Description

On scheduled class days, student teams will deliver a short (**10 minute presentation, 5 mins Q&A**) presentation about an existing aerospace vehicle.

Presentations should include at minimum:

- Discussion of the use/mission of the vehicle
- A description of the configuration features and picture of the vehicle
- Flight performance & significant achievements
- Use of new/innovative technologies
- Reasons for cancellation (if any)
- Lessons learned through the development and production of the vehicle
- May include a video (no more than 2 minutes); video does not substitute for substance

Presenter timeline:

- **48 hours before:** Share your google slides with the instructors at aae251purdue@gmail.com, so they can give you feedback. You must use google slides as it makes it easy for instructors to give you feedback. So, if you are presenting on a Tuesday, share your presentation by Sunday 10:30 am or 1:30 pm depending on which section you belong to).
- **6 am day of presentation:** Submit the final presentation on BB.
- **10:20 am or 1:20 pm (depending on which section you belong to)** day of presentation: Give a printout of your presentation and report to TAs.

This report should:

- **Use the template provided on BB**
- Be about 3000 words
- Use figures and tables where possible
- Be a well-written, executive summary of key information from the presentation
- You may write in the first person—actually I strongly encourage you to do so
- Include a 300-500 word abstract at the beginning of the report
- Contain appropriate references to the sources used to prepare the report and presentation
- **Be free from spelling or grammar errors. USE THE SPELLCHECK. Reports with more than three spelling or elementary grammar errors will be returned ungraded and receive a 10% penalty on the final grade.**

Sources of information for these presentations and reports include:

1. *Jane's All the World's Aircraft*
2. *Aviation Week and Space Technology* magazine
3. *AIAA journals and conference papers* (see www.aiaa.org)
4. *Air and Space* magazine
5. *Reputable internet sites*
 - CAUTION! There is a vast amount of information about aerospace vehicles available on the internet. Some of it is inaccurate: **Double-check facts and figures obtained from WWW.**

- Note that we will know everything about your VotW that Wikipedia has to say about it, so teach us things that Wikipedia doesn't talk about.

Peer Evaluations

The VotW presentations will be evaluated by the entire class. This serves two purposes: a) it provides additional feedback to the presenting group, b) those students in the audience get a chance to critique the content and style of other presentations, helping them prepare their presentations.

'May resubmit'

If your VotW report grade includes a 'may resubmit' comment, you may resubmit your report to potentially improve your grade. Bring your updated report, **along with your previously graded report**, to class, **within 2 weeks** of receiving your initial grade. Thursday of Dead Week is the last possible day to resubmit.