

## Amazing Supersonic Decelerator: Parachuting on to Mars

# Challenge Checklist

### Prior to the Challenge

Things to download, print, review, and copy:

	1. Download and review the <i>Presentation Slides for Students</i> and print the <i>Discussion Guide for the instructor</i> .
	2. Download, print, and review the <i>Video Criteria and Rubric</i> . Make 1 copy for each group of 3-5 students.
	3. Download, print, and review the <i>Educator Guide, Amazing Supersonic Decelerator: Parachuting on to Mars</i> . Print pages 6 and 9-11 for each group of 3-5 students.
	4. Download or bookmark the <i>Introductory Video, Telling Our Story with Video</i> and any other videos needed for your presentation (See <i>Discussion Guide</i> .)
	5. Download and review the <i>Technical Requirements for Video</i> .
	6. Download, review, and print the <i>Media Release Form</i> . Make 1 copy for each participating student.

Things to schedule, set up, or test:

	1. Review the online Event Schedule and select at least one live event for students to interact with a NASA Subject Matter Expert.
	2. Gather and organize materials from the <i>Materials List</i> for each activity.
	3. Test your technology set-up to make sure students can see and hear videos, slides, etc.
	4. Select a suitable deploy area to test parachutes. It could be an open stairwell area balcony or stable ladder. The parachute drops must be from at least 2 meters high, the higher the better.
	5. Check your video or digital cameras to ensure they are fully charged and have enough memory or tape for recording challenge activities.

## During the Challenge

	1. Distribute <i>Media Release Form</i> to each participating student and set a due date for return.
	2. Ask each group of students to come up with a unique team name.
	3. Use the <i>Presentation Slides for Students</i> and <i>Discussion Guide</i> to lead the students through the challenge.
	4. Encourage each group to take pictures and video throughout the challenge to use in their final video.
	5. Help students prepare questions and information to share with the NASA Subject Matter Expert for the live event for students.
	6. Participate in one or more live events for students.

## After the Challenge

	1. Review <i>Video Criteria and Rubric</i> and <i>Telling Our Story with Video</i> with students.
	2. Assist students as they plan and create their final video.
	3. Upload student video submissions to YouTube .
	4. Allow enough time to send a separate email with entry information and media release forms for each video to <a href="mailto:GRC-21-CCLC@mail.nasa.gov">GRC-21-CCLC@mail.nasa.gov</a> by Nov. 4, 2013.
	5. Participate in evaluation of 21CCLC pilot program.