

GLOBE Atmosphere Investigation Checklist

Prior to Investigation:

1. Download and review the presentation slides for students.
2. Download, print and review the culminating project criteria and rubric. Make copies for each student.
3. Download, print and review the Facilitator Guide, *NASA GLOBE Atmosphere Investigation*.
4. Download and print a copy of the *NASA GLOBE Atmosphere Investigation Student Science Research Journal* for each individual student.
5. Download or bookmark the project introduction video and project slides.
6. Download and print enough media release forms for each individual student.
7. Gather and organize materials from the materials list for each learning activity.
8. Test your technology setup to make sure students can see and hear videos, slides, etc.
9. Identify locations outside for cloud observations and locations of four different surface material areas for surface temperature measurements.
10. Identify area inside of the classroom for students to complete the learning activities.

During the Investigation:

1. Distribute the media release forms to each participating student and set a due date for them to be returned.
2. Distribute the Student Science Research Journals to the students. Have them put their names and the date on the front of their journals.
3. Use the project introduction video to introduce the investigation to the students.
4. Use the Atmosphere Investigation project slides to guide students through the investigation following the steps provided in the learning progression, pacing guide found in the *NASA GLOBE Atmosphere Investigation Facilitator Guide*.
5. Encourage cooperation and group etiquette as the students work through the investigation.
6. Assist students in the completion of the different learning activities, encouraging them to ask questions and work together to find answers to their questions.
7. Make sure that all media release forms are collected from each participating student.

After the Investigation:

1. Guide students in selecting the format for their culminating project.
2. Assist students as they plan, design and construct their culminating project.
3. Provide students with materials necessary to complete their culminating project.
4. Encourage students as they present their culminating project to their peers and possibly to parents and/or members of the community.
5. Complete a culminating project rubric for each student or team of students.