

Mission Specialist Information

AKA adult chaperone volunteers



Thank you for volunteering to be a part of the Moonbase Explorer program. The classroom teacher will assign which number chaperone you will be and based on that, the information on the next page will give you an idea of what your job will be during the field trip. Half of the field trip is spent in our *Apollo Room* & half of the field trip is spent in our *science lab*.

During the field trip, we ask that you refrain from the usage of cell phones for calls and text messaging. However, we understand the excitement and do not mind you taking a picture here or there of your little astronaut.

Throughout the day you will be guiding your group to complete tasks. It's important to note that it is unlikely that your team will complete all the activities (task cards). We purposely give more than enough so we never run out of fun! The goal is to enjoy each task and get all the kiddos involved and working together as a team.

The Mission Commander will be directing the program and working with your crew throughout the day and is always happy to answer any questions that you have.

The success of this unique field trip is heavily dependent on the involvement of the chaperones. We really want you to be engaged with each astronaut and have a good time with them. Please take on your role of Mission Specialist with enthusiasm. You playing along in the fun, truly makes all the difference on the mission day.

We greatly appreciate you coming along on this field trip and helping out. We hope you enjoy it!



Mission Specialist Information

AKA adult chaperone volunteers

Apollo Room Chaperone Jobs (AKA Mission Specialist)

Chaperone #1 Engineering Mission Specialist	<ul style="list-style-type: none"> • Build a solar panel or communications antenna using a colored diagram & plastic PVC pipes • Finish building a robotic ROV using snap circuits
Chaperone #2 Geology Mission Specialist	<ul style="list-style-type: none"> • Use robotic arms to transfer rock samples • Work with "real" chemicals, fuel crystals, moon rocks & regolith • Record data on wall charts
Chaperone #3 Life Support Mission Specialist	<ul style="list-style-type: none"> • Testing moon rocks for oxygen • Working with germs (sample collection, identifying, analyzing, mitigation) • Investigation (habitat temperatures, life cycles, soil, plants)
Chaperone #4 Medical Mission Specialist	<ul style="list-style-type: none"> • Put a human skeleton body together using x-ray images • Go over the health aspect of being an astronaut & conduct: modest exercises, building an astronaut meal, balance testing & hand eye coordination drills
Chaperone #5 EVA Officer	<ul style="list-style-type: none"> • Rotate taking each group into the Moon Room for an EVA (extra vehicular activity) to look for a specific resource in the moon rocks.

Science Lab Chaperone Jobs (AKA Mission Specialist)

Chaperone #1 Engineering Mission Specialist	<ul style="list-style-type: none"> • Work together to build marble run structures • Record data • Talk about the force of gravity & the importance of teamwork
Chaperone #2 Geology Mission Specialist	<ul style="list-style-type: none"> • Find and separate "space" rock & crystal samples using special tools • Count & record the sample data • Talk about the importance of following directions & teamwork
Chaperone #3 Life Support Mission Specialist	<ul style="list-style-type: none"> • Weigh multiple chemical bottles • Use calculators & number line counters • Use basic math skills to complete data reports
Chaperone #4 Medical Mission Specialist	<ul style="list-style-type: none"> • Investigate magnetic & nonmagnetic materials • Conduct floating magnet team game • Talk about the importance of following directions & teamwork
Chaperone #5 Life Support B Mission Specialist	<ul style="list-style-type: none"> • Work alongside the other Life Support Mission Specialist at their table • We recommend dividing the astronauts into 2 small groups at this station • Talk about the importance of working hard & not giving up

