



AS₂I Teacher Toolkit

AS₂I is an innovative program that promotes career readiness in the high-tech, high-demand fields of science, technology, engineering and math (STEM). Modules are aligned with K-12 Next Generation Sunshine State Standards in Science.

During each field experience, students will participate in hands-on experimentation and data collection, interact with scientists and park rangers and participate in discussions and career opportunity sessions. Students are divided into groups (maximum of 25 each) and rotate through three 30-minute modules instructed by certified park rangers and biologists at Lake Lotus Park and three 30-minute modules instructed by chemists and engineers at the Altamonte Springs Water Reclamation Facility and Environmental Laboratory.

Scheduling

AS₂I offers year-round opportunities for class groups of up to 150 students per day. The program is held on select Mondays and Tuesdays for Seminole County Public Schools' middle and high school students. To schedule a field trip, visit www.AltamonteIncubator.org and submit the [School Group Reservation form](#) to request a field trip date. Please give staff 48 business hours to reply. If you need additional assistance, please call (407) 571-8856.

Field trips run approximately four hours on location (including lunch and travel to each site). Therefore, sufficient time for transportation to and from school should be considered when planning a scheduled field trip.

Cost

There is no charge for the AS₂I program; however, schools must arrange and pay for their transportation to both facilities. Please work with your school's bookkeeper and administration to determine the transportation cost.

Buses

Each school must make transportation arrangements. Please work with your school's bookkeeper and administration to schedule the bus needs for the duration of the trip. Students must be arranged by bus with a maximum of 25 per group and 75 per bus to ensure students arrive at the correct location to begin the activities. Buses must stay on location throughout the day and will be used to transport students between Lake Lotus Park and the Water Reclamation Facility. On the day of the field trip, each teacher must notify the AS₂I program manager when they depart school grounds and share their estimated time of arrival to the City facility.

Facility Addresses:

- Lake Lotus Park—1153 Lake Lotus Park Road, Altamonte Springs, FL 32714
- Water Reclamation Facility—950 Keller Road, Altamonte Springs, FL 32714

Special Needs

Provisions can be made for students in wheelchairs or with other special needs. Please provide special needs requests on the School Group Reservation Form. Please plan for an additional chaperone to be with each special-needs student throughout the trip. If a student needs to be transported by a parent/guardian due to limitations or requires special transportation, please make arrangements with the AS₂I program manager in advance.

Chaperones

Please secure three chaperones per group of students. Students **MUST** be divided into three equal groups per facility (no more than 25 to a group). Therefore, you will need nine chaperones at each facility. In addition, there must be two school-based personnel per trip, one at each location. Chaperones are required to handle and manage the student's behavior and determine appropriate discipline when necessary.

Clothing

Students must wear long pants with socks that cover the ankles and closed-toed shoes. Sneakers are best as this is a health and safety precaution to protect the students from insects, poison ivy and scratches. Tank tops, sleeveless shirts, sandals and flip-flops are not permitted. Teachers and chaperones are requested to follow the student dress rules for safety and comfort. Perfume/cologne, scented soaps and hair products attract insects and are not recommended.

Students may have a chance to enter the water to collect samples. Although we provide rubber boots, we recommend clothing that could get dirty.

Weather

AS₂I is rain or shine. Therefore, students should bring rain gear in case of rain and dress appropriately for cool weather. In case of severe weather, AS₂I staff will contact the school to reschedule the trip.

Lunch

Students and/or the school is required to provide lunch. No refrigeration, heating or food for purchase is available, so please make sure all students have lunches before leaving the school. Please ensure students' lunches are clearly identified in a cooler or box. All students will eat at the same location but at different times. Lunches must be separated into two groups; one for students at Lake Lotus in the morning and the second for the afternoon. All lunches should be placed on the buses destined for Lake Lotus as the first stop. Gum and candy are not permitted at either location. There may be drink machines available but there are water fountains available at all times.

Water

All students will receive a water bottle when they arrive that the students may refill during the day and will be allowed to take with them upon completion of the program.

Medical Issues

Student prescription medicine should be carried and administered by teachers only. Minor first aid is available.

Insects

The mosquito population varies with rainfall, time of day and season. In addition, there may be chiggers, ticks and fire ants. Insect repellent must be applied at home as it may not be applied at school or either program location.

Name Tags

It is suggested that the students wear easy-to-read color-coded (by group) name tags.

Electronics

All electronic devices, including cell phones, should be secured. Cell phones are not permitted to be used during field trip instruction except in cases of emergency.

Photos

Photos may be taken during the field trip. However, if there are students who are not approved for photos, please assemble them into one group so photos of that group can be avoided.

Quizzes

Module quizzes are included in the student handbook and distributed upon arrival on the field trip. The quiz is aligned with the module standards and may be used as a teaching tool to measure understanding post-field trip.