

AQUATIC SCIENCES ADVENTURE CAMP

Summer 2009–Detailed Agenda*

(Times are approximate. Weather and/or river conditions may require modification of some activities.)

(*Note that the following is the detailed agenda for the week–long residence camp sessions. The agenda for the 2–day sessions is included at the end.

Room and board is not provided for the day camps)

SUNDAY

- 1:00–2:30 Camper registration and check-in at dorm
- 3:00–5:00 Swim test (San Marcos River in Sewell Park)
- 6:00–7:00 Dinner
- 7:00–9:00 Aquatic Studies I - the water cycle. Surface water - collect plankton from ponds. Microscopy - orientation to using the microscope, observe plankton with microscope
- 9:00–10:00 Get acquainted/leisure time (finish getting settled into rooms)

MONDAY

- 6:45 Wake-up
- 7:15–8:00 Breakfast
- 8:00–8:30 Prepare for morning activity and leave for classroom
- 8:30–9:30 Why is water important? - discussion of aquatic environments and aquatic life forms
- 9:30–11:00 Aquatic Studies II (groundwater) - Edwards Aquifer presentation (geology, biology and conservation issues), observe Texas blind salamanders, collect groundwater invertebrates from artesian well; video - Edwards Aquifer: a Texas Treasure (or other)
- 11:00–12:30 Aquarena Center at the San Marcos Springs: glass-bottom boat ride, endangered species exhibit, wetland boardwalk tour (see aquatic plants, birds, fish, turtles)
- 12:30–1:30 Lunch
- 2:00–4:30 Tubing on the San Marcos River*
- 4:30–5:30 Return to dorm and get ready for dinner

5:30–7:00 Dinner
7:00–10:00 Evening activity
10:00 Lights out

TUESDAY

6:45 Wake-up
7:15–8:00 Breakfast
8:00–8:30 Prepare for morning activity and leave for classroom
8:30–12:00 Scuba diving and snorkeling (introductory lesson at local scuba training facility)* (Note - If your child has a history of asthma, he/she must have an inhaler to participate in the scuba activity.)
12:30–1:30 Lunch
1:30–5:00 Tour of local cavern to view effects of groundwater or visit Splash! exhibit at Barton Springs (Austin) and swimming in Barton Springs pool*
5:00–6:30 Return to dorm and get ready for dinner
6:30–7:30 Dinner
7:30–10:00 Leisure time at dorm & evening activities
10:00 Lights out

WEDNESDAY

6:45 Wake-up
7:15–8:00 Breakfast
8:00–8:30 Prepare for morning activities and leave for classroom
8:30–11:30 Collect water samples from ponds and use portable water monitoring kits to perform water chemistry tests (dissolved oxygen, temperature, pH, turbidity) - discussion of tests and results
11:30–12:00 Return to dorm and get ready for lunch and afternoon activity
12:00–1:00 Lunch
1:30–4:30 Raft trip on the Guadalupe River near New Braunfels (time approximate)*

4:30–6:30 Return to San Marcos and get ready for dinner
6:30–8:00 Dinner
8:00–10:00 Leisure time in dorm & evening activities
10:00 Lights out

THURSDAY

6:45 Wake-up
7:15–8:00 Breakfast
8:00–8:30 Prepare for morning activity and leave for classroom
8:30–9:00 Introduction to collecting techniques for aquatic invertebrates
9:00–10:30 Use nets to collect invertebrates (San Marcos River or Sessom Creek)*
10:30–11:30 Microscope identification of aquatic organisms
11:30–12:00 Return to dorm and get ready for the afternoon activity
12:00–1:00 Lunch
1:00–5:30 Trip to Landa Park in New Braunfels – view Comal Springs (largest continuously-flowing springs in the southwest U. S.) and swimming in spring-fed swimming pool *
5:30–6:30 Return to San Marcos and get ready for dinner
6:30–8:00 Dinner
8:00–10:00 Leisure time in dorm and evening activities

FRIDAY

6:45 Wake-up
7:15–8:00 Breakfast
8:00–8:30 Get ready for field trip
8:30–11:30 Sea World
11:30–12:00 Lunch (picnic at Sea World)
12:00–5:30 Sea World
5:30–6:30 Dinner
6:30–10:00 Sea World (until closing)
10:00–12:00 Return to San Marcos

SATURDAY

8:30 Wake-up
8:30–9:00 Breakfast
9:00–10:30 Pack to go home and dorm check-out
11:00–11:30 Camper graduation ceremony
11:30–12:30 Parents pick-up students

*** These activities require old clothes, swim suits and tennis shoes**

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AGENDA FOR AQUATIC SCIENCES DAY CAMP

DAY 1

- 8:30–9:00 Welcome, overview of camp, introduction of camp leaders and participants (Freeman Aquatic Biology Building)
- 9:00–10:00 Aquatic Orientation - overview of aquatic environments and aquatic life forms
- 10:00–10:30 Aquatic Studies I (surface water) - collect plankton from ponds
- 10:30–12:00 Microscopy - orientation to using the microscope, observe plankton with microscope
- 12:00–12:30 Aquatic Studies II (groundwater) - Edwards Aquifer presentation (geology, biology and conservation issues), observe Texas blind salamanders, collect invertebrates from artesian well; Video - Edwards Aquifer: a Texas Treasure (or other)
- 12:30–1:30 Lunch (picnic on university grounds)
- 1:30–3:00 Aquarena Center at the San Marcos Springs: glass-bottom boat ride, endangered species exhibit, tour of wetland board walk (see aquatic plants, birds, fish, turtles)
- 3:00–5:00 Collect water samples from ponds and use portable testing kits to perform water chemistry tests (dissolved oxygen, temperature, pH, turbidity)
- 5:00 Parents pick up campers (at Freeman Aquatic Biology Building)

DAY 2

- 8:30–12:00 Scuba diving and snorkeling (introductory lesson at local scuba training facility) * (Note - If your child has a history of asthma, he/she must have an inhaler to participate in the scuba activity.)
- 12:00–1:00 Lunch (picnic on university grounds)

- 1:00–1:30 Introduction to collecting techniques for aquatic invertebrates
- 1:30–2:00 Use nets to collect aquatic invertebrates (San Marcos River or Sessom Creek)*
- 2:00–3:00 Microscopy: identification of aquatic organisms
- 3:00 - 5:00 Tour San Marcos wastewater treatment plant
- 5:00 Parents pick up campers (at Freeman Aquatic Biology Building)

* requires old clothes or swim suits, old tennis shoes and a change of clothes