

Count Down to Science Camp

Planning Guide

We are excited about the opportunity to have you and your students up for Science Camp! This adventure will help change the lives of your students as we pour into them, study God's creation, have a blast, and teach them how to be dependent on Jesus Christ. This guide will equip you to prepare your students for camp, while we make sure you have an extraordinary experience that feels like home away from home.

Science Camp Checklist

Today:

- ☐ Review this packet and prepare yourself for planning your upcoming trip.

As soon as possible:

- ☐ Choose classes for students to experience. Email this list to dhasty@pccc.org.
- ☐ Choose activities for students to experience. Email this list to dhasty@pccc.org.

3-6 Months out:

- ☐ Reserve transportation to PCCC (11:00am arrival) and from PCCC (10:00am departure).
- ☐ Set up and run a parent/student orientation meeting.
 - Hand out Parent Packet (contains introduction, waiver, to-bring list, Chaperone material).
 - Show parent videos.
 - Discuss adult chaperone requirements, responsibilities, and how many you need.

2-4 Weeks out:

- ☐ Request a Certificate of Insurance naming Palomar Christian Conference Center as the certificate holder and submit it to PCCC.
- ☐ Inform us of the final number of students and adults attending camp at dhasty@pccc.org. Then we will email you a final account statement.

Week before Science Camp:

- ☐ Inform us of any special dietary needs of students and adults.
- ☐ Assign campers (adults too!) to cabin rooms using the extranet.
- ☐ Assign campers (adults too!) to Teams/Day Groups.
- ☐ Arrange payment for Science Camp.

Day of Camp:

- ☐ Collect medications for students and waivers for all camp participants.
- ☐ Make sure drivers have directions.
- ☐ Arrive at camp around 11:00am. We can't wait to greet you!



Class Options

ASAP

Choose the classes that would benefit your group of students the most. If you are staying with us for 3 days choose 5 classes, 4 days choose 5 classes, 5 days choose 7 classes. Email list to dhasty@pccc.org as soon as possible.



Aquatics: Study of Water Systems

Students will get to interact with Palomar Mountain's ecosystem as they hike through Doane Creek's watershed and observe its riparian habitat with their own eyes. They will walk along the creek to take chemical and biological assessments to determine if Doane Creek is a healthy habitat. Furthermore, they will discuss the numerous personal uses for water and how essential the water cycle is to the earth.



Astronomy: Study of the Big Picture

Students will learn about how grandiose and powerful God is as they study the size and scale of our universe, the Milky Way galaxy, and our solar system. The class includes visual examples and hands-on activities that help students visualize the beauty beyond our atmosphere. A guided star tour of the constellations is available at night.



Astronomy: Study of the "Little" Picture

Students will learn that God cares about the little details in our lives as they study our sun, planets, the Earth's systems, satellites, and dwarf planets. The class includes visual examples and hands-on activities that help students visualize the beauty beyond our atmosphere. A guided star tour of the constellations is available at night.



Botany: Study of the Trees

Students will learn about the basics of plant life in the great outdoors. We will discuss the structure of plants, the benefits of plants, the process of photosynthesis, and how to categorize trees. Students will take a tree walk and make observations regarding the differences in trees; they will collect data and analyze it to discern the names of types of selected trees.



Entomology: Study of Insects

Students will learn about and observe insects in their natural habitat. They will learn about the basic anatomy of an insect, its role in the ecosystem, and the good, the bad, and the ugly of the different varieties of insects. Students will collect a variety of insects and document their observations.



Fire: Study of Fire

Students will learn the science and safety of fire followed by the opportunity to create their own fires within small groups. As students discuss the Fire Triangle, they will gain an appreciation and thorough understanding regarding the ins and outs of fire. This will equip them with confidence to build and put out a fire in a safe, effective way.

Class Options



Mammalogy: Study of Mammals

Students will learn what characteristics define a mammal, what role mammals play in their ecosystem, and how we as humans are different from anything else that God has created. They will get to study the mammals of Palomar Mountain in depth through hands-on experience and interactive activities.



Orienteering: Study of Finding Your Way

Students will become more confident in navigation as they study directions, degrees, the basic parts of a compass, and how to effectively use a compass. After practicing these concepts, they will utilize their skills in small groups with an orienteering challenge.



Ornithology: Study of Birds

Students will learn about the unique structure of a bird, its flight capabilities, its role as a consumer in the food chain, and the different habitats birds live in. Students will use binoculars to watch birds in action as they interact in their natural habitat. It will inspire them to look out for birds in their daily lives and lead them to appreciate God as Creator.



Teambuilding: Using Initiatives

Students will develop biblical qualities and team unity as they participate in group activities. Initiatives are games played with the purpose of processing their experience and applying principles to their daily lives. This is a fun, interactive way for your students to develop individually and as a group.



Teambuilding: Using the Low Ropes Course

Students will develop biblical qualities and team unity as they participate in our low ropes course. Low rope elements are challenge events generally built anywhere from 2-6 feet off the ground that require teamwork to accomplish the task. These challenges are extremely interactive and will play a vital role in developing perseverance, patience, and kindness.



Weather: Study of Weather and Climate

Students will learn what weather is, what affects weather, how God uses weather, and how we can recognize different weather in our everyday lives. Students will discuss pressure systems, currents, clouds, natural disasters, and the climate in Southern California. This will enable students to have confidence and a greater appreciation for weather and its affect in our lives.

Free Time Activity Options

ASAP

Choose the activities that would benefit your group of students. For paid activities, you can have students prepay as a part of your contract, or students can bring their own money and pay when they play. Email list to dhasty@pccc.org.

Paid Activities

Trail Rides: \$20

Saddle up for a ride down our forested trails! Riders must be at least 54 inches tall (4 ft. 6 in.) and weigh under 250 pounds. We have sign-ups for this activity at Student Orientation on day 1.

Paintball: \$20

Get your friends together and go to "war"! We provide the referee, masks, markers, and paint. You must be 11 years old to play. We have sign-ups for this activity at Student Orientation on day 1.

Zip Line: \$5 per ride; \$10 Unlimited rides

For those wanting an aerial view of Palomar, try out our 650 feet long zip line that will have you soaring over 60 feet in the air! There are no sign-ups; students simply show up and ride.

FREE Activities

Archery Range

You'll be right on target at our Archery Range! Our bows range from 16-24 lbs. No sign-ups.

Gun Range

Test your skills by shooting BB guns! Our range master is certified in gun safety. No sign-ups.

Always Available

Gift Shop: Snacks, Drinks, and Souvenirs are available. Students are limited to 1 candy per day.

Sports: Gaga Ball, Carpet Ball, Ping Pong, Ball Field, Volleyball, Basketball, Disc Golf (accompanied by an adult), Gaga Ball, Carpet Ball, Ping Pong.

Evening Activities

Every night we finish off our day with several epic evening activities. Our first order of fun is a game followed by our campfire time. Keep your eyes open for the annual email detailing our spiritual theme and theme

Theme Night

Our theme night is a high-energy, dress up extravaganza that students anticipate each year. Past theme nights include a Glow-in-the-dark dance party, Pirate night, and Star Wars night. Make sure you and your students read the To-bring list so that you are ready for the ultimate party on your second night of camp!

Jeopardy

Our final night at camp puts your students to the test as we put on our Palomar Jeopardy Game Show. It challenges them to remember what they learned in their classes and throws some fun surprises at them as well. It is a great way to wrap up their outdoor-learning adventure!

Campfire

Every night culminates with a fun and uplifting time at campfire. We sing goofy songs, worship the Lord acapella, and open God's Word together. Each night follows our spiritual theme designed each year to teach your students how to depend on Jesus.

Parent Materials

3-6 Months Out

Use this section to make sure your parents are well informed. It includes information regarding your parent orientation, materials they should be familiar with, paperwork they will need to sign and turn into you, and advice in choosing parents as chaperones.

Parent Orientation

Choose a convenient date for your parent orientation and notify your parents with enough of a heads up.

The goal for orientation is for parents to know the benefits of camp for their child, what their child will experience at camp, how they can prepare their child for camp, what and when paperwork and payment is due, and what the expectations are for a parent coming as a chaperone.

Before the meeting:

- Email the parents a Parent Packet (found on our website).
- Encourage them to watch the parent video (found on our website).
- Ask them to print and fill out the student waiver and code of conduct found in the Parent Packet.
- Have a few copies of the activity and student waiver in case parents did not print them off.

At the meeting:

- Share why you are excited for Science Camp both personally and for your students.
- Show the parent video.
- Talk about the to-bring list and the theme night.
- Discuss paperwork and payment.
- Ask about student dietary restrictions.
- Briefly introduce the need for parent chaperones.
- Show video for chaperones.
- Ask for parents to consider volunteering.

After the meeting:

- Email parents to remind them when their deposit is due.
- To turn in the waivers and student code of conduct with the deposit.
- To respond if they are interested in being a chaperone by a deadline determined by you.

Counselor Requirements

- Able-bodied adults who can handle several small hikes (2-5 miles) every day on mountainous terrain.
- A positive, Christian role model.
- Willingness to invest not only in their child but in all of the students in their day and night groups.



Student Info

Week before Camp

Once we receive your final number of adults and students, I will email you a final account statement and the number of teams your school will have. Please split your students and adult chaperones into Teams/Day Groups.

First School Team

Adult Leaders

Student Names

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____

Second School Team

Adult Leaders

Student Names

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____

Third School Team

Adult Leaders

Student Names

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____

*Print out more copies if you have more teams.

Birthdays

Name	Day	Date
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Dietary Needs

Type	#of Students	Type	#of Students
Vegetarian	_____	Vegan	_____
No Dairy	_____	No Nuts	_____
Gluten	_____	No Soy	_____

If students or adults have very specific food needs,
please email us the details.

5-Day Sample Schedule

Our 5-day program includes 7 interactive science classes of your choice, 4 free time sessions, 4 campfires and night activities, and a beautiful hike to Boucher Hill or Doane Pond.

Monday

11:00 Arrive
12:00 Lunch
1:00 Orientation
1:45 Organized Activity
3:00 Free Time
5:15 OTS - Team 1
5:20 Line up in Teams
5:30 Dinner
6:15 Evening Activity
7:30 Campfire
8:30 Cabin Time
10:00 Lights out

Tuesday / Wednesday

7:30 Morning Prep
7:45 OTS - Team 2
7:50 Line up in Teams
8:00 Breakfast
8:45 Morning Devotions
9:10 Class #1 / #4
10:35 Class #2 / #5
11:45 OTS - Team 3
11:50 Line up in Teams
12:00 Lunch
12:30 FOB (Rest)
1:30 Class #3 / #6
2:50 Organized Event
3:10 Free Time
5:15 OTS - Team 4
5:20 Line up in Teams
5:30 Dinner
6:15 Evening Activity
7:30 Campfire
8:30 Cabin Time
10:00 Lights Out

Thursday

7:30 Morning Prep
7:45 OTS - Team 5
7:50 Line up in Teams
8:00 Breakfast
8:45 Morning Devotions
9:10 Class #7
10:25 Hike
2:00 FOB
3:10 Free Time
5:15 OTS - Volunteer
5:20 Line up in Teams
5:30 Dinner
6:15 Evening Activity
7:30 Campfire
8:30 Cabin Time
10:00 Lights Out

Friday

7:30 Morning Prep
7:45 OTS - Volunteer
7:50 Line up in Teams
8:00 Breakfast
8:30 Pack and Move Luggage
9:15 Morning Devotions
9:45 Award Ceremony
10:10 Gift Shop/Lunches

2018 Theme Night



Attire for Spartan Wars: Battle attire - easy to move in and can get dirty.