

ALVALDR



HUME

COUNSELOR BOOK

OUTDOOR EDUCATION



We live in a world where troubling things happen, and at the same time, we serve a God who is good and sovereign over all. This summer, we are going to dive into the story of Joseph in the book of Genesis to answer some of life's most puzzling questions such as, "Where is God in my affliction?" or "How can an all-powerful God allow such evil?" In Genesis 50:20, Joseph makes the definitive statement, "You meant evil against me, but God meant it for good."

As we study the story of Joseph, we hope that students can learn to trust in God, who is not only with us in our affliction but uses it for our good and His glory. Even in the trials and difficulties of life, we can trust in the sovereignty and providence of God.

### THEME VERSE

Genesis 50:20

"As for you, you meant evil against me, but God meant it for good, to bring it about that many people should be kept alive, as they are today."

**COUNSELOR MEETINGS 8:15 AM DAILY IN THE MEADOW RANCH COFFEE CO**  
Please make sure to attend ALL of the counselor meetings to be informed on all that is happening!

**LOOKING FOR A LEAD COUNSELOR?**  
They can be found at all meals, chapels, and at free time.

**LOST AND FOUND**  
Can be turned in and collected in the dining hall.

**WRISTBANDS**  
Must be worn at all times.  
If you lose or break your wristband, find a Lead Counselor to have it replaced for \$1.

## THE 4 M'S

- 1. BE AT ALL MEAL**  
Please clean up your own mess.
- 2. BE AT ALL MEETINGS**  
Please no food or drink in chapel.
- 3. BE MODEST**  
Please do not wear spaghetti straps, strapless or halter tops, sagging pants or shorts which expose undergarments, spandex shorts, clothing that exposes bare midriffs, and no short shorts/skirts/dresses. When wearing leggings, please tie a shirt, flannel or sweatshirt around your waist.  
  
Swimsuits: One piece suits are required. No speedos, tankinis or high cut bathing suits. We ask that all guests remain fully clothed, except when wearing bathing suits while in and around the waterfront or pool areas.
- 4. DON'T BE MESSING AROUND**  
*Messing around includes, but is not limited to:*
  - No drugs, alcohol, tobacco, nicotine products or vapes
  - No firearms, fireworks or weapons of any kind
  - No wrestling or horseplay
  - No guys in the girls' cabin area
  - No girls in the guys' cabin Area
  - No electronic devices
  - Stay out of the way of traffic
  - No diving in the lake
  - No inappropriate conduct of any kind
  - Anything else not included here that should be!

# SCHEDULE

## MONDAY

1:00 pm. . . . .Registration  
Free Time (Ark, Meadow Climbing Wall, Boathouse)  
4:30 pm. . . . .Counselor Meeting—Meadow Ranch Coffee Co  
5:30 pm. . . . .Dinner—Cedar Hall  
7:30 pm. . . . .Evening Chapel—Meadow Ranch Chapel  
9:00 pm. . . . .Ranch Time—Ark & Lawn  
9:45 pm. . . . .Head to bed  
10:00 pm . . . . .Lights out

## TUESDAY

7:00 am. . . . .Rise and Shine  
7:45 am. . . . .Breakfast—Cedar Hall  
8:15 am. . . . .Counselor Meeting & Cabin Clean-up  
9:00 am. . . . .Chapel  
10:00 am. . . . .Adventure Class #1  
12:00 pm . . . . .Lunch—Cedar Hall  
12:30 pm . . . . .JAM Time  
1:30 pm. . . . .Adventure Class #2  
3:30 pm. . . . .Free time  
5:30 pm. . . . .Dinner—Cedar Hall  
6:10 pm. . . . .All camp photo—Meadow Ranch Chapel Lawn  
6:15 pm. . . . .Evening recreation  
7:00 pm. . . . .Chapel  
8:45 pm. . . . .Night Game  
9:15 pm. . . . .Head to bed  
10:00 pm . . . . .Lights out

## WEDNESDAY

7:00 am. . . . .Rise and Shine  
7:45 am. . . . .Breakfast  
8:15 am. . . . .Counselor Meeting & Cabin Clean-up  
9:00 am. . . . .Chapel  
10:00 am. . . . .Adventure Class #3  
12:00 pm . . . . .Lunch  
12:30 pm . . . . .JAM Time  
1:30 pm. . . . .Adventure Class #4  
3:30 pm. . . . .Free time  
5:30 pm. . . . .Dinner  
6:15 pm. . . . .Evening recreation  
7:00 pm. . . . .Chapel  
8:45 pm. . . . .Evening Recreation  
9:15 pm. . . . .Head to bed  
10:00 pm . . . . .Lights out

## THURSDAY

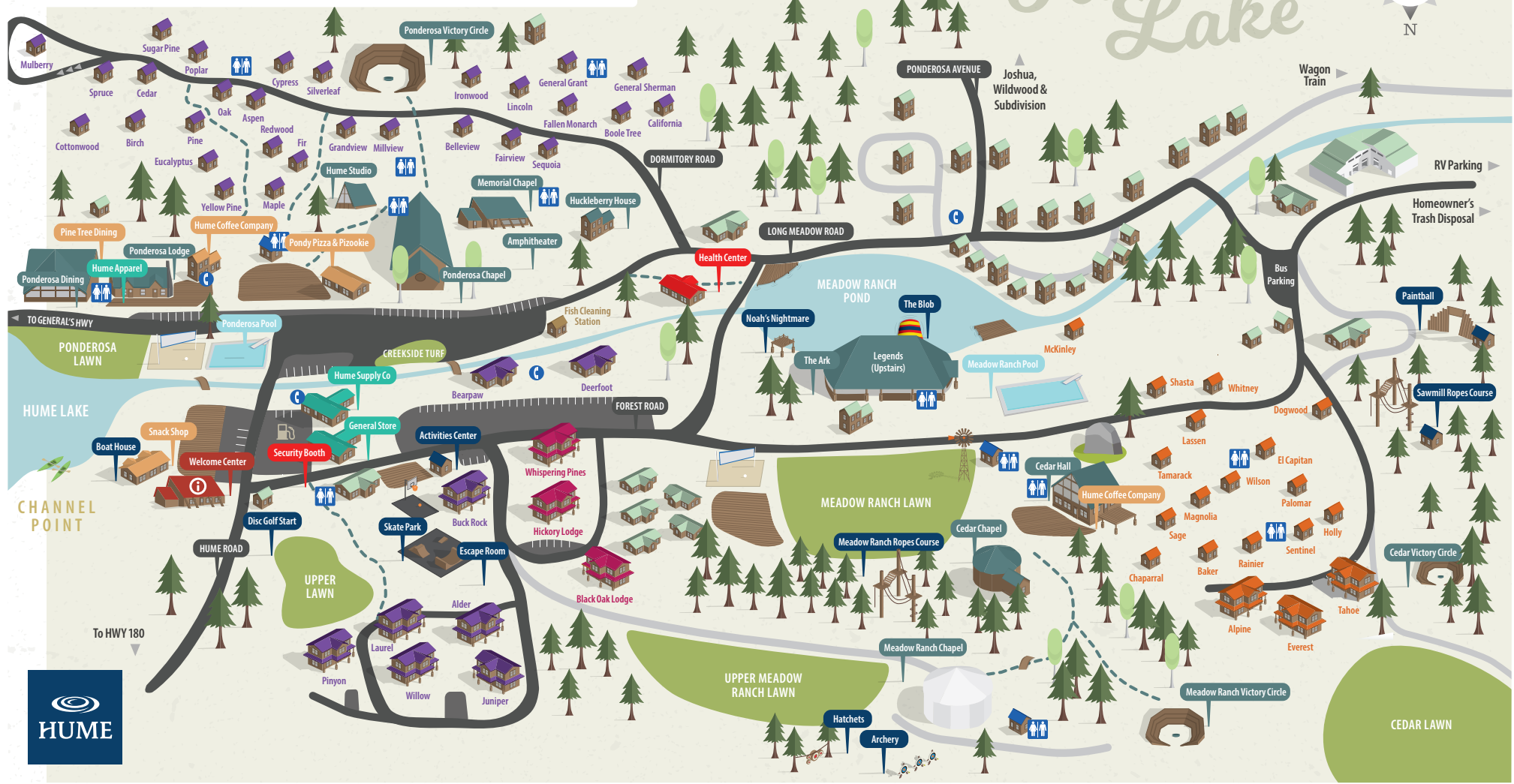
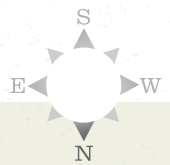
7:00 am. . . . .Rise and Shine  
8:00 am. . . . .Breakfast  
8:30 am. . . . .Counselor Meeting & Cabin Clean-up  
9:30 am. . . . .Chapel  
10:00 am. . . . .Adventure Class #5  
12:00 pm . . . . .Lunch  
12:30 pm . . . . .JAM Time  
1:30 pm. . . . .Adventure Class #6  
3:30 pm. . . . .Free time  
5:30 pm. . . . .Dinner—BBQ on Meadow Ranch Lawn  
6:00 pm. . . . .Evening recreation  
7:30 pm. . . . .Chapel  
Victory Circle immediately to follow chapel  
9:30 pm. . . . .Head to bed  
10:00 pm . . . . .Lights out

## FRIDAY

7:00 am. . . . .Rise and Shine / Pack for home  
7:45 am. . . . .Breakfast  
9:00 am. . . . .Chapel  
10:15 am. . . . .School breakout time  
11:00 am. . . . .Picnic / Sack Lunch  
12:00 pm . . . . .Head home

- Welcome Center
- Lodges
- Meeting & Multipurpose
- Main Roads
- Health & Safety
- Ponderosa Cabins
- Stores
- Secondary Roads
- Parking
- Meadow Ranch Cabins
- Restaurants
- Walkways
- Recreation
- Pay Phones
- Restrooms
- Staff & Offices

# WELCOME TO Hume Lake



*The Health Center is across the street from the Meadow Ranch Pond*

## **HOURS // 8:00AM-10:00PM**

- \* A nurse is readily available during open Health Center Hours.
- \* If you or your camper is injured or feeling ill, please check with a lead counselor prior to visiting the health center to be sure a nurse will meet you there.
- \* During chapel times, please encourage your camper to wait until after chapel unless there is an emergency (i.e. allergic reaction, seizure, etc.). If there is an emergency during chapel, find a lead counselor to radio the nurse on call.

## **AFTER HOURS // 10:00PM - 8:00AM**

- \* **Emergencies only**—Please use discretion regarding incidents at night.
- \* An emergency is something which cannot wait until the following morning.
- \* Please bring the camper to a lead counselor at the Cedar Hall Apartments before going to the Health Center after hours.

## **COUNSELOR RESPONSIBILITY**

- \* **It is your responsibility to see that your campers' health and safety are maintained while at camp.** Ask students if they have any activity restrictions or allergies. Encourage campers to drink plenty of water, be at all meals, and wash hands for 20 seconds before every meal. Ask your students if they take regularly scheduled medications and remind them at mealtimes to get their scheduled dose.
- \* Try to remain calm when someone is injured. When injury occurs, your responsibility is crowd control. Contact a Hume staff member to transport patient to the Health Center.
- \* Stay with the injured camper.

## **MEDICATION**

- \* Under California State Law, you are not allowed to administer any medicine to a minor, even over the counter medicines. There is a lock box in your cabin for you to keep your own medicine and personal belongings—please store them safely in there. Students are not allowed to have any medicine on them or in the cabin, other than emergency EpiPens and inhalers. Students may pick up their medicine in the Dining Hall during meal times.
- \* If your camper takes a bedtime medication, you may pick it up from the MedStation at dinner and you will be asked to keep it secure until your camper is ready for bed. Otherwise, your camper will need to come and get it from the Health Center after evening chapel and before lights out.

## **MEDICAL EMERGENCIES**

**IN THE EVENT OF A TRULY LIFE THREATENING EMERGENCY, CALL 911 FROM ANY PHONE.**

- \* Your school is responsible for transportation of any/all injured campers. If your school arrived in a bus, or if the situation is life-threatening, Hume Lake will arrange transportation.

## **CPR TRAINING**

**If a camper is found unconscious & unresponsive, please do the following:**

- \* **CHECK** the scene, then **CHECK** the person.
- \* Tap on the shoulder and shout, "**Are you okay?**" and quickly look for breathing.
- \* Send someone to **CALL** or radio for **9-1-1** if no response and get an **AED**.
- \* **AED's** are located in: Welcome Center, Ponderosa Dining buffet room, The Ark, and the Cedar Hall bathroom hallway near Meadow Coffee Co.
- \* If no response & not breathing, **BEGIN CHEST COMPRESSIONS**.
- \* Put the heel of one hand on the center of the chest with the heel of the other hand on top of it.
- \* Keep your arms straight with shoulders over your hands.
- \* Push hard (adult at least 2", child 2"), & fast (100-120/minute, to the rate of the song "Baby Shark").
- \* Let the chest rise completely before pushing down again.
- \* Continue chest compressions.
- \* **DO NOT STOP** unless: You see signs of life, another trained responder arrives and takes over, EMS takeover, you are too tired to continue, to put the **AED** on, or if the scene becomes unsafe.
- \* If an **AED** arrives, instructions for use are attached to the **AED**.

## FREE TIME

*\*Students MUST be with a counselor any time they leave Meadow Ranch, including Free Time.*

### **THE BOATHOUSE // FREE**

Open afternoons during Free Time

Kayaks, canoes, stand-up paddle boards, disc golf

\*\*Students must have a counselor with them on the water in order to check things out at the boathouse.

### **THE ARK // FREE**

Open afternoons during Free Time

Basketball, Foosball, Ping Pong, Rollerskating

### **MEADOW GIANT SWING // FREE**

Open Tuesday, Wednesday & Thursday afternoons during Free Time

First come, first serve; No sign-ups required

Closed-toe shoes required

### **MEADOW ARCHERY RANGE // FREE**

Open Tuesday & Thursday afternoon

First come, first serve; No sign-ups required

Closed-toe shoes required

### **MEADOW RANCH ROPES COURSE // \$15**

\$15 per person; Tuesday, Wednesday, and Thursday afternoons during Free Time at 3:30pm

Meet at the Meadow Ranch Ropes Course for your session

Closed-toe shoes required (crocks are not allowed)

Sign-up Monday night after chapel

### **PAINTBALL // \$15**

\$15 session; Wednesday afternoon during Free Time at 3:30pm

Meet at the Meadow Ranch Coffee Co deck to check-in for your paintball session

Closed-toe shoes required (crocks are not allowed)

Sign-up Monday night after chapel

### **ESCAPE ROOM // \$10**

\$10 per person; Tuesday and Thursday afternoons during Free Time 3:30pm and 4:30pm

Meet at the Escape Room near the Skate Park for your session

Sign-up Monday night after chapel

### **SNACK SHOP**

Swing by the Snack Shop to pick up a burger, fries, and a delicious handmade milkshake

### **GENERAL STORE, HUME SUPPLY CO, & HUME APPAREL**

Stop by the General Store for a drink or a snack, and stop into the Hume Supply Co and Hume Apparel store to shop t-shirts, sweatshirts, hats, or a gift for someone back home

## OTHER TIMES

### **RANCH TIME**

During "Ranch Time" campers and counselors must remain inside Meadow Ranch boundaries. Ranch Time includes all times before 3:00pm and after 5:00pm that campers are not involved in activities or meetings.

### **TIME OUT**

This is only used in disciplinary situations. Campers must remain with their counselor or Hume Staff member for the first part of free time. The duration of the first offense is 15 minutes, the second is 30 minutes, and on the third offense the camper's parents may be called and the camper may be sent home.

### **JAM TIME**

JAM stands for "Jesus and Me" time. This is a time after lunch where you get to sit on your bunk, rest a few minutes from your busy day AND spend time with the Lord. In this time you can study your memory verses, you can read your camper devo, you can read your Bible, or you can just pray. It is up to your counselor how you guys spend JAM time.

### **CABIN TIME**

This is a time for you to have some discussions with others in your cabin in the evenings before you go to bed. There are some discussion questions in the booklet that can be a great starting place for your discussion time. It is great a time to share together about your day and to talk about the things you are learning during your time here at Outdoor Education.

## ALSO WORTH NOTING

### **LOST AND FOUND**

Can be turned in and collected in the dining hall.

### **WRISTBANDS**

Must be worn at all times.

If you lose or break your wristband, see a Lead Counselor to have it replaced for \$1.

### **LEAVING MEADOW RANCH**

Students MUST be with a counselor any time they leave Meadow Ranch, including Free Time.

### **LEAD COUNSELORS**

Can be found at all meals, chapels, and roaming the major areas of camp.

If you should need them during the night, they can be found in the Cedar Hall Apartments.

### **GET IT ONLINE**

[hume.org/media](http://hume.org/media)

The camp wrap-up video, speaker messages, and camp photo are available on our website to view and/or download, for free.

## RECREATION AND TEAM CHALLENGE

### **OUR PHILOSOPHY BEHIND RECREATION**

Above all, our desire is that recreation is simply another tool for bringing your students into a living, meaningful relationship with Jesus Christ. It is an opportunity for your students to bond together and for walls to breakdown, allowing trust and friendships to be built. Hopefully, this trust and friendship will translate into enriching conversations in your cabin discussions.

### **BE INTENTIONAL WITH RECREATION**

Encourage your students to get involved. If you are sitting under the tree not wanting to participate or having a bad attitude, they will follow you. Whether you win or lose, remember the point is to have fun and to build unity within your group.

### **BE RESPECTFUL**

It is easy to get a little too competitive, even as counselors. Remember, these students are watching you!! If you are yelling at the refs or are being rude to the other teams, it will just turn ugly. Show your students what it looks like to be competitive with integrity.

### **TRY TO INCLUDE ALL THE STUDENTS**

Try to highlight all your students throughout the different competitions. Some of your students will be more athletic than others, so try to include everyone on your team and look for ways to let each student feel like they are included.

### **DRESS APPROPRIATELY**

Help us by making sure your students are NOT wearing sandals or have bare feet during recreation, unless they are at the pool. Please be sure that students do NOT cut their shirts inappropriately and are NOT wearing short shorts, spandex shorts, or skirts. Some games may be in the pool or lake, and may require you to wear a swimsuit.

## OTHER WAYS TO EARN TEAM POINTS

### **MEMORY VERSES**

On the next page, you will find the guidelines for the memory verses, as well as the daily memory verses themselves. They can be memorized by the students and counselors, and must be recited by memory during your time at camp to earn points for your team.

### **CABIN CLEAN-UP**

Every morning at breakfast we will announce the daily cabin clean-up theme. Then after breakfast, during the counselor meeting, students will have time to clean up their cabin and decorate it according to the daily theme that is announced. Please keep in mind we want the cabins to remain clean, and ask that the decorations not cause any damage or require extra clean-up after you have left at the end of the week.

### **THURSDAY EVENING GAME SHOW**

At the beginning of chapel on Thursday night we will have a Game Show to quiz students on their knowledge of the information that they learned in the Adventure Classes throughout the week. The counselors from each team will need to select 4 people to participate in the Game Show. The contestants will participate in 4 different rounds, 1 person from each team, each round.

### **ADVENTURE CLASS POINTS**

Our class instructors will be giving your teams points at each of their classes. Their scores will be based on the students participation, engagement, and appropriate behavior in each class.

### **QUACKY CHANS**

Four little ninja ducks are hidden throughout Meadow Ranch every day during free time. If you find one, turn it in to one of the Hume Lead Counselors to earn points for your team. Be sure to let them know your team name.

## MEMORY VERSES

### PHILOSOPHY

With the understanding of recreation as a tool for bringing students into a living, meaningful relationship with Jesus Christ, do not limit the use of these memory verses to winning recreation. Memory verses do earn valuable points, but more importantly, they are to assist you in meeting the spiritual needs of your students.

Each day is designed for you to gauge the spiritual temperature of your campers. Challenge and encourage them to understand how these verses are relevant and are meaningful in their lives.

With the above philosophy in mind, please do not “force feed” your students. If they do not desire to memorize Scripture, they do not have to. Encourage them as much as possible to see and understand the eternal value, not just temporal point value, of memorizing God’s Word.

### GUIDELINES

- + Any translation may be used.
- + Each verse must be stated word perfect in one “sitting”.
- + No outside assistance; no helps; or “gimmies.”
- + Verses can be recited any day to a counselor.
- + Points awarded according to team percentage/average.
- + Counselors are both encouraged and expected to participate in memory verses.
- + Score sheets must be turned in on Thursday before evening chapel.

### MONDAY: GENESIS 50:19-21 (ESV)

*But Joseph said to them, “Do not fear, for am I in the place of God? As for you, you meant evil against me, but God meant it for good, to bring it about that many people should be kept alive, as they are today.” So do not fear; I will provide for you and your little ones.” Thus he comforted them and spoke kindly to them.*

### TUESDAY: 1 CORINTHIANS 10:12-13 (ESV)

*Therefore let anyone who thinks that he stands take heed lest he fall. No temptation has overtaken you that is not common to man. God is faithful, and he will not let you be tempted beyond your ability, but with the temptation he will also provide the way of escape, that you may be able to endure it.*

### WEDNESDAY: ROMANS 5:3-5 (ESV)

*Not only that, but we rejoice in our sufferings, knowing that suffering produces endurance, and endurance produces character, and character produces hope, and hope does not put us to shame, because God’s love has been poured into our hearts through the Holy Spirit who has been given to us.*

### THURSDAY: 1 JOHN 1:8-10 (ESV)

*If we say have no sin, we deceive ourselves, and the truth is not in us. If we confess our sins, he is faithful and just to forgive us our sins and to cleanse us from all unrighteousness. If we say we have not sinned, we make him a liar, and his word is not in us.*

## BONUS MEMORY VERSES

### PHILOSOPHY

- + Any student is eligible to say the bonus verse.
- + The bonus requires reciting Philippians 2:3-11 before chapel on Thursday Night
- + Students are allowed up to 2 mistakes for the whole passage. (Missing word, wrong word, etc.)
- + There are no helps, no “gimmies.”

### BONUS THEME PASSAGE: 2 CORINTHIANS 4:7-14 (ESV)

*But we have this treasure in jars of clay, to show that the surpassing power belongs to God and not to us. We are afflicted in every way, but not crushed; perplexed, but not driven to despair; persecuted, but not forsaken; struck down, but not destroyed; always carrying in the body the death of Jesus, so that the life of Jesus may also be manifested in our bodies. For we who live are always being given over to death for Jesus’ sake, so that the life of Jesus also may be manifested in our mortal flesh. So death is at work in us, but life in you. Since we have the same spirit of faith according to what has been written, ‘I believed, and so I spoke,’ we also believe, and so we also speak, knowing that he who raised the Lord Jesus will raise us also with Jesus and bring us with you into his presence.*











## THURSDAY DEVO

### **DEVOTIONAL:** *The Abundant Grace of God*

Joseph provides land for his family to live on and continues to take care of them throughout the famine, and God's purpose for Joseph is fulfilled. Even through Joseph's trials and suffering, when it seemed as though God was absent, we see God's sovereignty over Joseph's life.

Joseph's brothers come to him again begging for forgiveness from the evil they did to him, but Joseph replies, "Do not fear, for am I in the place of God? As for you, you meant evil against me, but God meant it for good, to bring it about that many people should be kept alive, as they are today."

*Genesis 50:19-20*

**What bad things in your own life can you see how God has used for good? Can he use anything for good?**

**Why is it important to recognize the things God is using for good?**

We never have to doubt God's goodness; it is part of His character. When we examine the life of Joseph, we can clearly see God's sovereignty. Even when we can't see the good in our current circumstances, we can be reminded of God's faithfulness through the life of someone like Joseph

*Read 2 Corinthians 4:7-18.*

**According to verse 18, what should followers of Jesus fix their eyes on?**

**What are the unseen things the author is talking about?**

To those who put their faith in God, He promises eternal life with Him. In this, He tells us to focus on things that are eternal. When we fix our eyes on eternity, we begin to care about our own relationship with God and other people's salvation. God chooses to use us in His great narrative, working all things for His good and His purposes, just as we see in Joseph's life.

**Pray and ask God to increase your faith in Him and give you opportunities to share His goodness with others as you go back home.**

### **REMINDERS**

- Our High Adventure and Escape Room will be open during Free Time today.
- After our evening chapel we will be heading straight to Victory Circle, so please be sure to bring a sweatshirt or long-sleeve shirt with you to chapel tonight because you won't have time to head back to your cabin to change.

## THURSDAY MORNING NOTES

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### **CABIN TIME QUESTIONS**

1. According to the Bible, what does the word "worship" mean?
2. What is your experience of worship through music?
3. Aside from music, what are other ways to worship God throughout your life?

## THURSDAY EVENING NOTES

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### **CABIN TIME QUESTIONS**

1. Can you recognize times where God used past hardships as blessings?
2. Can you foresee how God may use your current condition as a blessing in the future?
3. What are ways you can be used by the Holy Spirit for God's kingdom?

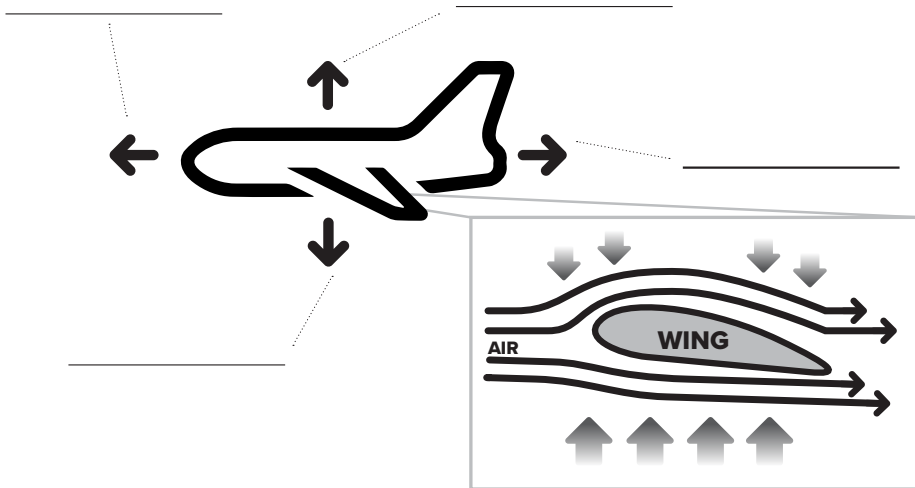


# AERONAUTICS

## HISTORY

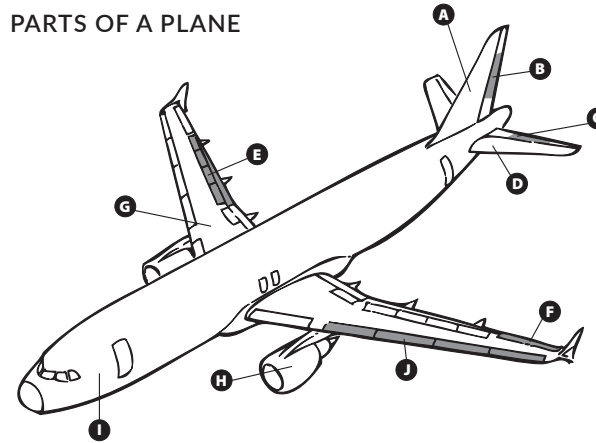
1. What is Aeronautics?
2. \_\_\_\_\_ was the first to dream up designs of ways for man to take flight with his ornithopter.
3. The first successful method of flight was the \_\_\_\_\_
4. The Flyer, built in 1903 by \_\_\_\_\_, was the first airplane to fly successfully.

## SCIENCE OF FLIGHT



5. Bernoulli's Principle:
6. Newton's Laws of Motion

## PARTS OF A PLANE



- |         |         |
|---------|---------|
| A _____ | F _____ |
| B _____ | G _____ |
| C _____ | H _____ |
| D _____ | I _____ |
| E _____ | J _____ |

## MECHANICS OF FLIGHT

- \_\_\_\_\_ is the nose up/down rotation around a side-to-side axis.
- \_\_\_\_\_ is the wing up/down rotation around the front-to-back axis.
- \_\_\_\_\_ is the nose left/right rotation around the vertical axis.

## NOTES & OBSERVATIONS

### WORD BANK

- |            |                         |                |                       |
|------------|-------------------------|----------------|-----------------------|
| · aileron  | · high pressure         | · low pressure | · vertical stabilizer |
| · drag     | · horizontal stabilizer | · pitch        | · wing                |
| · elevator | · hot air balloon       | · roll         | · the Wright Brothers |
| · flaps    | · jet engine            | · rudder       | · yaw                 |
| · fuselage | · Leonardo da Vinci     | · slats        |                       |
| · gravity  | · lift                  | · thrust       |                       |





# ARCHERY



## BOW

A \_\_\_\_\_

B \_\_\_\_\_

C \_\_\_\_\_

D \_\_\_\_\_

E \_\_\_\_\_

F \_\_\_\_\_

## ARROW

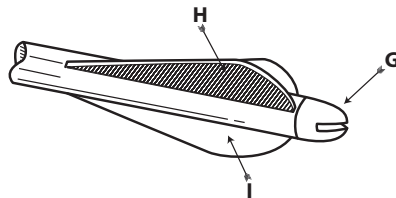
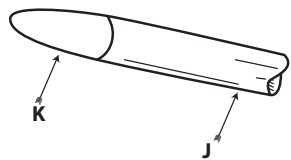
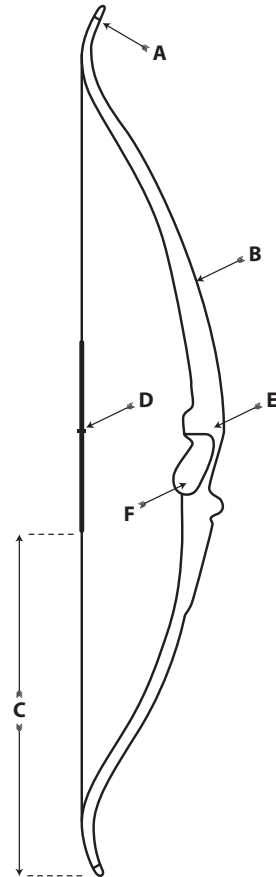
G \_\_\_\_\_

H \_\_\_\_\_

I \_\_\_\_\_

J \_\_\_\_\_

K \_\_\_\_\_



1. The three types of standard bows are

1.

2.

3.

2. The 3 uses of archery throughout history are:

\_\_\_\_\_

3. The first people group to use the bow and arrow were the \_\_\_\_\_.

4. The long bow became famous during the \_\_\_\_\_.

5. The Monache made their arrowheads out of \_\_\_\_\_.

6. A drawn bow has \_\_\_\_\_ energy.

7. A fired arrow carries \_\_\_\_\_ energy.

## NOTES & OBSERVATIONS

### WORD BANK

- arrow rest
- body
- bow tip
- compound
- Egyptians
- fletching
- grip
- hunting
- Hundred Years' War
- index fletching
- kinetic
- limb
- longbow
- nock
- nocking bead
- obsidian
- point
- potential
- sport
- recurve
- string
- warfare



# GROUP INITIATIVES



1. From these activities today, what did you learn about

YOURSELF?

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OTHERS

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GOD

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2. When is a time that you wished you would have asked for help, but you did not?

a) 

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b) 

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c) 

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3. How can you apply things from today to your life back at home?

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4. Group Discussion Questions:

a) How did it make you feel when you finished?

b) How long did it take you to finish this activity?

c) How does this activity help us know our peers better?

d) How does it allow us to love our peers well?



# LEATHER CRAFT



## HISTORY

1. Who were the first two people to wear leather clothing?

\_\_\_\_\_  
\_\_\_\_\_

## LEATHER MAKING PROCESS

2. Name the two types of tannings:

\_\_\_\_\_  
\_\_\_\_\_

3. Match the description with the correct step:

- |                 |   |
|-----------------|---|
| <b>fleshing</b> | removing skin from the animal                 |
| <b>soaking</b>  | getting rid of excess fat and meat            |
| <b>skinning</b> | process used to soften leather and open pores |

## APPLICATION

4. How can the leather making process be related to our walk with Christ?

## TOOLS

5. Name each leather making tool:



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_

## NOTES & OBSERVATIONS

\_\_\_\_\_

### WORD BANK

- |           |               |                |
|-----------|---------------|----------------|
| · Adam    | · Eve         | · swivel knife |
| · beveler | · mallet      | · vegetable    |
| · chrome  | · round knife |                |



# NATURAL HABITAT



1. What is a habitat?

2. What 3 things does an animal need to survive?

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

3. List the four animal diets:

\_\_\_\_\_ : an animal that eats only insects

\_\_\_\_\_ : an animal that eats only plants

\_\_\_\_\_ : an animal that eats plants and animals

\_\_\_\_\_ : an animal that eats other animals

4. Four types of shelters for mammals:

5. In the space below, write down:

(a) An animal name, (b) its diet, (c) where it sleeps, and

(d) a fun fact about the animal. Sketch its tracks in the box provided.

Box for animal information and sketch (1)

- a)
- b)
- c)
- d)

Box for animal information and sketch (2)

- a)
- b)
- c)
- d)

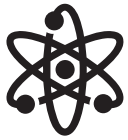
Box for animal information and sketch (3)

- a)
- b)
- c)
- d)

## NOTES & OBSERVATIONS

### WORD BANK

- burrows
- caves
- insectivore
- shelter
- bedding area
- food
- nests / trees
- water
- carnivore
- herbivore
- omnivore



# PHYSICS IN NATURE






## FORCE AND MOTION

1. What is a force?

\_\_\_\_\_ exerted on an object that causes \_\_\_\_\_ or \_\_\_\_\_.

2. Label Newton's three laws of motion

<p><b>FIRST LAW</b></p> 	<p>An object at _____ remains at rest, and an object in _____ remains in motion, unless an _____ acts on them.</p>
<p><b>SECOND LAW</b></p> 	<p>Force = _____ x _____ The acceleration of an object depends on its _____ and the _____ acting on the object.</p>
<p><b>THIRD LAW</b></p> 	<p>For every _____, there is an equal and _____ reaction.</p>

## GRAVITY

3. Isaac Newton's Law of Gravity

Every object in the universe is \_\_\_\_\_ to every other object with a \_\_\_\_\_ that is related to their \_\_\_\_\_ and \_\_\_\_\_.

## ENERGY AND MATTER

4. The Law of the Conservation of Mass and Energy:

Energy and mass cannot be \_\_\_\_\_ or \_\_\_\_\_  
They can only \_\_\_\_\_ forms.

5. Two Main Categories of Energy:

### POTENTIAL ENERGY

energy that is \_\_\_\_\_.

#### List two forms of Potential Energy

- Form: \_\_\_\_\_  
example: \_\_\_\_\_
- Form: \_\_\_\_\_  
example: \_\_\_\_\_

### KINETIC ENERGY

energy in \_\_\_\_\_.

#### List two forms of Kinetic Energy

- Form: \_\_\_\_\_  
example: \_\_\_\_\_
- Form: \_\_\_\_\_  
example: \_\_\_\_\_

## NOTES & OBSERVATIONS

### WORD BANK

- acceleration
- action
- change
- chemical
- created
- destroyed
- electrical
- force
- gravitational
- mass
- motion
- opposite
- outside force
- rest
- stored
- thermal



**HUME**

*COUNSELOR BOOKLET*