



# DAY 5 TO MARS AND BEYOND!

**POWER LAUNCHER:** *Go Beyond with Hope!*

BECAUSE OF OUR FAITH, WE CAN HAVE HOPE AS WE WALK WITH JESUS . . . AT VBS AND BEYOND!



## OPENING

Watch opening greeting by Commander Cade Baccus, Second in Command C'Lee, and EP3-20 on our website ([www.leanderumc.org/vbs/](http://www.leanderumc.org/vbs/))



## STORY

Jesus Comforts Friends on the Way to Emmaus (Luke 24:13-35)  
Watch the skit on our website ([www.leanderumc.org/vbs/](http://www.leanderumc.org/vbs/))



## CRAFT

### EMMAUS FOOTPRINTS

#### GATHER YOUR SUPPLIES:

- **From Jet Pack:** Pre-cut footprint from map; card stock; glue; yarn
- **From home:** Hole puncher or another item to poke a hole; scissors

There should be supplies in your Jet Pack for each Voyager to make a footprint.

**Say:** In our story today, Jesus and friends were walking to the town of Emmaus. We are going to make a craft that reminds us that Jesus walks with us, his friends, even today.

As you are creating your footprint, ponder about these things:

- I wonder what Jesus told the friends on the walk to Emmaus?
- I wonder how it felt to walk with Jesus?
- I wonder what the road was like?
- I wonder what else the friends saw and smelled along the road?
- I wonder what Jesus said that made the friends hopeful for the future?
- I wonder how this footprint will remind you to be hopeful for the future?



**STEP 1:** Trace the map footprint outline on the card stock and cut it out.

**STEP 2:** Glue the cardstock to the map footprint. (Make sure the map shows on the outside.)





**STEP 3:** Punch 3 holes in the top of the footprint to form a triangle. *Hint: Make the top hole punch about an inch down so it won't pull through).*



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## SCIENCE

### DEFYING GRAVITY

#### GATHER YOUR SUPPLIES:

- **From Jet Pack:** Foil pan with strings attached with duct tape; 4 small cups
- **From home:** Water

This is an activity that your whole group will do together. You'll want to do this outside.

⇒ [This video gives a demonstration of how to swing your defying gravity device:](https://tmab.cokesburyvbs.com/resources/50/Experiment%205-1.mp4)  
<https://tmab.cokesburyvbs.com/resources/50/Experiment%205-1.mp4>

#### OBSERVATION

**Say:** In our Bible story, two disciples were sad and confused by things happening around them, but talking with Jesus lifted them above their sadness in an amazing way! In this experiment, we will see another powerful force that has an amazing effect on everyday objects!

Review Scientific Method (refer back to it on Day 1)

**Ask:**

- Have you ever heard of gravity?
- What do you know about it?

Show the children your supplies.

**Ask:**

- Have you seen items like these before?
- How do we normally use them?

## QUESTION & HYPOTHESIS

**Ask:** What do you think will happen if I turn these cups upside down with water in them? Let's test it!

## EXPERIMENT

**Ask:** What do you think will happen if I turn these cups upside down with water in them? Let's test it!



**STEP 1:** Get out the prepared pan with strings attached.



**STEP 2:** Fill 4 cups about 2/3 with water and place in the corners of the pan.



**STEP 3:** Swing the pan around in a large circle from about waist height so the cups go up-side down in the tray. What happens?

**STEP 4:** Let Voyagers try to defy gravity.

*Hint: If you can't make this work the first time, try again! Science is all about trying things out to see what works.*

**Alternative option:**

You can also defy gravity by placing a small ball or a coin in a bucket/sand pail. Swing it around your wrist or in a circle over your head.

**GO BEYOND**

- Repeat the experiment with different materials such as dirt, paper, or grass in the cups. Does the outcome change?
- Test this experiment with slower and faster speeds. How slow do you have to go before the objects fall out of the cups or bucket?

**ANALYZE & APPLY***How Does it Work?*

Centripetal (pronounced sen-TRIP-uh-tull) force or acceleration, acts on any body that revolves around a center. This is what keeps the planets revolving around the Sun; without it, the planets would go spinning off into space. In the case of a body in space, the centripetal force is gravity. In the case of our pan, the centripetal force is the tension of the rope. Whenever the centripetal force is great enough, such as in our experiment, it can overcome the force of gravity, making objects seem to be magically floating in the air!

**BIBLE TIE-IN!**

**Say:** In today’s Bible story, two disciples were sad; another way to speak of sad is to say their hearts were “weighed down.” Walking and talking with Jesus, however, lifted their spirits and gave them hope to rise above their circumstances. When we walk and talk with Jesus, we can have hope to overcome the forces and circumstances that would weigh our hearts down, too!

**GAME****7-MILE WALK CHALLENGE****GATHER YOUR SUPPLIES:**

- Water bottle

**SET UP**

Get in your car and drive in your neighborhood, on a route where it is safe to walk with children, until you reach 3.5 miles. Remember where that spot is. You may want to do this activity early in the morning or late in the evening when it is cooler.

**Ask:**

- Do you think you can walk that far?
- How far do you think you can walk?

**LET’S WALK!**

- Grab a water bottle and walk.
- If you can make it to the 3.5 mile marker, turn around and walk back. You will have walked 7 miles just like Jesus and his friends. Hint: Allow younger kids to be on their bikes or in strollers.
- If you can’t walk that far, walk as far as you can and turn around and walk back home.
- As you walk,
  - ◆ Notice the sky, ground, people, animals around you
  - ◆ Pretend you are Jesus and friends walking to Emmaus and talk about what they might have talked about.

**BIBLE TIE-IN**

**Say:** Jesus met the disciples on the road to Emmaus after rising from the dead. Jesus comforted them and gave them hope as they walked to a new place together.



**Ask:**

- What do you think it means when we talk about Jesus “walking” with us today?
- How does it make you feel to know Jesus is walking through life with you?

**Say:** Jesus came to give us new life and walk with us through all of life’s ups and downs. Our relationship with him helps us have hope, be happy, and make good choices, no matter what the circumstances. Let’s say our Power Launcher together: Go Beyond in Hope!



## CLOSING

Close by saying the Vector Verse together several times:

*Glory to God who is able to do far beyond all that we could ask or imagine by his power at work within us!*  
**Ephesians 3:20:**

Watch the benediction from Pastor Laura on our website ([www.leanderumc.org/VBS](http://www.leanderumc.org/VBS))

