

TRUST

Week 3

Trust

Trusting in God's perfect design of the universe and its laws

Objectives

Trust Week 3

General Objectives

- To learn that God and His laws of the universe are completely trustworthy
- To learn about air pressure and the properties of air
- To study the airplane

Specific Objectives

- To experiment with air pressure
- To observe the properties of air
- To learn the Bernoulli principle
- To make paper airplanes

Weekly Supplies

Trust Week 3

- d (p.238) 2 balloons, ruler
- e (p.238) Newspaper, discardable yardstick
- g (p.239) Balloons, bowl, water bottle
- i (p.239) Aerosol can
- m (p.239) Ping Pong ball
- x (p.242) Old glass milk bottle, peeled hard-boiled egg, matches, paper
- y (p.242) Vacuum-packed can
- z (p.242) Eyedropper, plunger

Weekly Supplies (cont'd 1)

Trust Week 3

- aa (p.242) Atomizer (perfume), plastic straw and bowl
- bb (p.243) Sheet of paper, empty thread spool
- n (p.240) Glasses, water basin
- o (p.240) Plastic cup, food coloring
- p (p.240) Candle, apple
- kk (p.245) Paper, paper clips, stapler, tape, scissors

Alert!!!

Trust Week 3

Immediate Action!!!

- **Be on the lookout for pilot and flight attendant uniforms for next week.**
- **Be thinking of a friend who is an airline, private, or military pilot for a field trip. (Probably cannot get near a commercial or military aircraft after 911).**
- **Arrange a field trip to an airport.**

Alert!!! (cont'd 2)

Trust Week 3

Immediate Action for Honor!!!

- **The Honor unit is coming in one month. Do not think that is along time away. The Tabernacle unit is fabulous, BUT needs tons of supplies to construct it. Begin collecting supplies now.**
 - **Styrofoam base 2 1'X3'X2"**
 - **square wooden dowels 12 3/8"X36" cut into 60 4" fence posts**

Alert!!! (cont'd 3)

Trust Week 3

- **square wooden dowels 1 1/2"X36" cut into 9 7" columns**
- **round wooden dowels 3 1/8"X48" (curtain hangers)**
- **white fabric for curtains strips totaling 4"X120"**
- **white fabric for coverings 20"X15"**
- **red vinyl fabric for tabernacle covering 20"X15"**
- **brown fake fur for tabernacle covering 20"X15"**
- **tan woven wool for tabernacle covering 20"X15"**

Alert!!! (cont'd 4)

Trust Week 3

- **60 silver push pins**
- **silver and bronze paint for column bases**
- **gold and silver spray paint**
- **baseball size amount clay for column bases**
- **plastic drinking straws**
- **purple, royal blue, red fabric markers**
- **Elmer's glue or hot glue gun**
- **empty half-pint milk carton**
- **empty toothpaste box**

Alert!!! (cont'd 5)

Trust Week 3

- **rick-rack**
- **poster board for lamp stand**
- **single muffin tin cut from disposable aluminum muffin tin**
- **1X6 cedar fence picket**
- **brown felt scrap for 12 dime-size bread loaves**
- **bought doll house pitcher, lamb, incense bowl, jar for manna OR all made from clay**

Bible Verse

Trust Week 3

The Lord is my light and my salvation; Whom shall I fear? The Lord is the strength of my life; of whom shall I be afraid?

Psalm 27:1

Hymns, Songs, Videos

Trust Week 3

Hymn

Great Is Thy Faithfulness

Songs

Snoopy Red Baron

<http://www.niehs.nih.gov/kids/lyrics/snoopyred.htm>

Let's Go Fly a Kite

Videos

The Spirit of St. Louis

Chitty-Chitty-Bang-Bang

The Right Stuff

Around the World in Eighty Days

Timeline Characters

Trust Week 3

- **Amelia Earhart [89]**
- **Wilbur and Orville Wright [30]**
- **Charles Lindbergh [114]**
- **Chuck Yeager [153]**
- **Baron von Richthofen [120]**
- **Daniel Bernoulli [157]**

Focus Books

Trust Week 3

A *Flight: The Nature Company Discoveries Library* edited by Donald Lopez

Model Airplanes and How to Build Them

How to Make and Fly Paper Airplanes

Any biographies of the timeline characters on or off your child's reading level

Y *Ride on the Wind*

The Story of Flight

M *Whatever Happened to Amelia Earhart?*

Flight by Melvin B. Zisfein

O *Whatever Happened to Amelia Earhart?*

Flight by Melvin B. Zisfein

Picking Library Books

Trust Week 3

Every library in America has different books.

- Locate the **MUST HAVE BY NAME** books by name.
- Use the card catalogue/computer to find topic books.
- Type in the topic and write down the call numbers for the topic.
- Go to the call number shelves and begin pulling books to look at on the topic you are looking for. Choose according to:
 - ❖ Information
 - ❖ Illustrations
 - ❖ Age and reading level
 - ❖ Specific child
- Choose age appropriate biographies for each child to read.

Killing 6 Birds with 1 Stone

Trust Week 3

If older children read to younger children:

- **You are building sibling relationships**
- **Older children are practicing reading skills**
- **Older children are practicing leadership and teaching skills**
- **Older children learn the material**
- **Younger children learn the material**
- **Younger children can then tell mom what they learned and be the teacher!!!**

Writing Assignment

Trust Week 3

Y and M Choose one of the experiments you have done to write about. Include:

- materials and set up
- procedure (what was done)
- results (what happened)
- conclusion (what the experiment proved)

O Write about phobias including agoraphobia, hydrophobia, and claustrophobia f (p.229)

“COW” Writing

Trust Week 3

PROCESS not PRODUCT
For Younger and Middle Children

- Capturing ideas
- Ordering ideas
- Writing ideas

Writing Tips

Trust Week 3

- Write an introduction and a closing to your phobia paper.
- Check each sentence's verbs for boring verbs that need to be changed.
- Check to see if you need to vary sentences between simple, compound and complex.
 - Phobias are persistent, illogical, or abnormal fears.
 - Claustrophobia is a persistent, illogical, or abnormal fear of close spaces, while agoraphobia is an obsessive fear of spiders.
 - As shown in the balloon experiment, air has weight and takes up space.

Vocabulary

Trust Week 3

Air Pressure

Pressure

Vacuum

Siphon

Propellant

Airplane Parts

Cockpit

Flap

Aileron

Wings

Tail

Nose

Elevator

Horizontal stabilizer

Vertical stabilizer

Engine

Propeller (prop)

Fuel tank

Cargo bay

Landing gear

Baggage

Cabin

Oxygen mask

Parachute

Vocabulary (cont'd 2)

Trust Week 3

Flying Terms

Control tower

Terminal

Runway

Taxi

Runway lights

Take off

Landing

Destination

Flight plan

Cruising

Altitude

Check list

Control panel

Instruments

Altimeter

Compass

Radar

Visibility

Zero visibility

Ceiling

Nose dive

Stall

Horizon

Bank

Permission Slip

Permission

Coupon

Free pass to skip one activity
or other assignment

(Feel free to copy as often as needed)

Permission

Coupon

Free pass to skip one activity
or other assignment

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Activities

Trust Week 3

Monday

a (p.238) Study air, weight, heat and work.

b,c (p.238) Blow up balloon, find inflatable objects.

d (p.238) Do balancing balloon experiment.

e (p. 238) Snap yardstick to show air has weight.

f,g (p.238) Heat air in tea kettle and bottle.

n (p.240) Do water glasses in basin experiments.

Failed Experiments

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Failed experiments are **GREAT** teachers!!

- **Laughter**
- **Memorable**
- **Repeated**
- **Review what was SUPPOSED to happen**

Activities (cont'd 2)

Trust Week 3

Tuesday

- o (p.240) Do trick cup experiment.
- i (p.239) Read warning on aerosol can.
- j (p.239) Demonstrate hot air rises.
- k (p. 239) Study about hot air balloons.
- l,m (p.239) Show air can do work and play ping pong push.

Activities (cont'd 3)

Trust Week 3

Wednesday

x (p.242) Do egg in bottle experiment.

y (p.242) Open a vacuum-packed can.

z,u (p. 241,242) Learn how eyedropper and plunger work and experiment with both.

Explain how a siphon works.

r (p.241) Learn how straw works.

s (p.241) Paint with air.

Activities (cont'd 4)

Trust Week 3

Thursday

aa (p.242) Create an atomizer.

w (p.242) Pour juice opened V-shaped opener.

t (p.241) Collapse a squeeze bottle.

bb (p.243) Do spool of thread experiment.

p (p.240) Do the apple and candle experiment.

Read about Daniel Bernoulli and his principle governing flight.

Activities (cont'd 5)

Trust Week 3

Friday

kk (p.245) Make many paper airplanes with many designs and fly them. Note how does length, wing span, and nose weight effect function.

ll (p.245) Have a paper airplane contest. Give prizes for originality, fastest, longest aloft time, and farthest distance.

gg (p.243) Draw and label airplane parts.

ii (p.245) Dramatize parts of an airplane like rudder, elevator, and aileron.

Teach Thinking Skills

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ASK

- All the experiments are about _____
- What things do you know about air from the experiments?

EXPLAIN

- Puzzle analogy
- Rainbow analogy
- Body analogy

Field Trips

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- Get ready for next weeks field trip to the airport, to the flight museum, to take a ride in a private plane, etc. by reviewing how planes fly, parts of the plane, etc.

Suggestions for Dad

Trust Week 3

- Teach Scripture verses.
- Give out vocabulary words.
- Help with making and flying paper airplanes.
- Judge paper airplane flying competition.

Focus of the Week

Trust Week 3

- Understanding the importance of trusting God in all things
- Studying air pressure and properties of air
- Learning the Bernoulli principle
- Learning the parts to the airplane.

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Thanks,
Wade and Jessica Hulcy