SIZZLING SUMMER

5 DAYS OF THEMED SCHOOL-AGE
SUMMER CAMP LESSONS

BEST DAY EVER!™

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SIZZLING SUMMER

Investigate the effects of the sun with color-changing beads and sunscreen experiments, then cool off with water challenges! We'll build bucket towers and craft water cup pyramids. It's a week filled with science, teamwork, and sun-soaked fun. Sizzling Summer is a school-age unit steeped in activities that enable students to challenge themselves, experiment, and transform information into meaningful content and skills. While the lesson plan incorporates many different Pennsylvania Learning Standards, it focuses on the key learning areas of "Scientific Thinking and Technology", "Social and Emotional Development", and "Approaches to Learning Through Play." Specifically, students will engage in learning activities that meet the PA Standard Areas of Earth and Space Sciences, Maintaining Relationships, and Learning through Experience.

SCHEDULE

DAY 1

ARRIVAL ACTIVITY	180 MINUTES
READY, SET, LEARN	45 MINUTES
HANDS-ON ACTIVITY – UV BEAD BRACELETS	30 MINUTES
BREAK/SNACK TIME	15 MINUTES
LET'S GET MOVING – SUN TAG	45 MINUTES
HANDS ON ACTIVITY – SUNSCREEN PAINTINGS	30 MINUTES
BREAK/LUNCHTIME	45 MINUTES
HANDS-ON ACTIVITY – SUN SAFE SUPERSTAR	45 MINUTES
SOCIAL-EMOTIONAL LEARNING – SUNBURN SOUR STORY	45 MINUTES
HANDS-ON ACTIVITY – DIY HAT	45 MINUTES
WRAP UP/GOODBYES	15 MINUTES
LATE PICK-UP	10 MINUTES

DAY 2

ARRIVAL ACTIVITY	180 MINUTES
READY, SET, LEARN	45 MINUTES
HANDS-ON ACTIVITY – SUN SUMMARY	30 MINUTES
BREAK/SNACK TIME	15 MINUTES
LET'S GET MOVING – ICE RACES	45 MINUTES
HANDS-ON ACTIVITY – HEAT ABSORPTION PART 1	45 MINUTES
BREAK/LUNCHTIME	45 MINUTES
HANDS-ON ACTIVITY – HEAT ABSORPTION PART 2	45 MINUTES
SOCIAL-EMOTIONAL LEARNING – SHARING RAYS OF SUNSHINE	45 MINUTES
HANDS-ON ACTIVITY – SOLAR OVEN S'MORES	45 MINUTES
WRAP UP/GOODBYES	15 MINUTES
LATE PICK-UP	10 MINUTES

MATERIALS LIST

- Multimedia player
- White bowls or plates
- Chenille stems
- Sunscreen
- UV beads
- Pencils
- Yellow objects, such as a bean bag, ball, or paper (1 yellow object per student)
- Paintbrushes
- Construction paper (variety of colors including blue, white, yellow & black)
- Crayons (including white, gray & black)
- Paper
- Cardboard or thick cardstock
- Paper with drawn or printed pictures of animals
- Scissors
- Glue sticks
- Markers
- Stapler & staples
- Notebook paper
- Freeze pops
- Cooler
- Prizes
- Jars or containers
- Tape
- Water
- Thermometer
- Pony beads of various colors and shapes
- Liquid glue
- Pizza boxes
- Large marshmallows
- Chocolate squares
- Graham crackers
- Ruler
- Aluminum foil
- Plastic wrap
- Zip-close bags
- Food coloring (including blue)
- Large car wash sponges
- Buckets of various sizes
- Used or very cheap decks of cards
- Plastic cups
- Water pitchers
- Wax paper
- Eye droppers
- Plastic straws
- Spoons
- Paper towels
- Small paper bowls
- Drinking straws
- Permanent marker (adult use only)
- Cardstock (white)
- Tablecloths
- Activity trays or lunch trays
- Tempera paint or liquid watercolors
- Water trivia questions (see links in Additional Resources)
- Sponges
- Clear cups
- Tablespoon
- Masking tape
- Salt
- Baking soda
- Sugar
- Paperclips
- Wide mouth jars
- Sand
- Clean gravel rocks
- Coffee filters
- Plastic connecting blocks
- Squirt bottles
- Water balloons or balls of various colors
- Kiddie pool
- Extra wide aluminum foil
- Heavy objects to hold down foil
- Stopwatch/timer
- Optional: Whiteboard and dry erase markers
- Optional: Paint swatches

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ACTIVITY/CONCENTRATION

LET'S GET MOVING: SPONGE RACES

- **STEP 1:** Divide the students into teams of 4-6 players per team. Have each team line up at a designated starting point.
- **STEP 2:** Each team will get a large car wash sponge, a bucket of water, and an empty bucket or bowl.
- **STEP 3:** Set the bucket and the bowl a distance apart.
- **STEP 4:** The students will run a relay race, soaking their team's sponge and running as quickly as they can to squeeze the sponge into the empty bucket/bowl. Each player will run back to the team and pass the sponge to the next player in line. The first team to transfer all its water to the bucket/bowl wins!

DURATION/SCHEDULE

45 minutes – 10:30 to 11:15 a.m.

MATERIALS

- Large car wash sponges
- Water
- Large buckets
- Smaller buckets or bowls

GOALS/OBJECTIVES

- Demonstrate coordination of purposeful body movements
- Play cooperatively with peers for a sustained period

STANDARDS

- 10.4 2.A
- 16.2 2.A

LEARNER MODIFICATIONS

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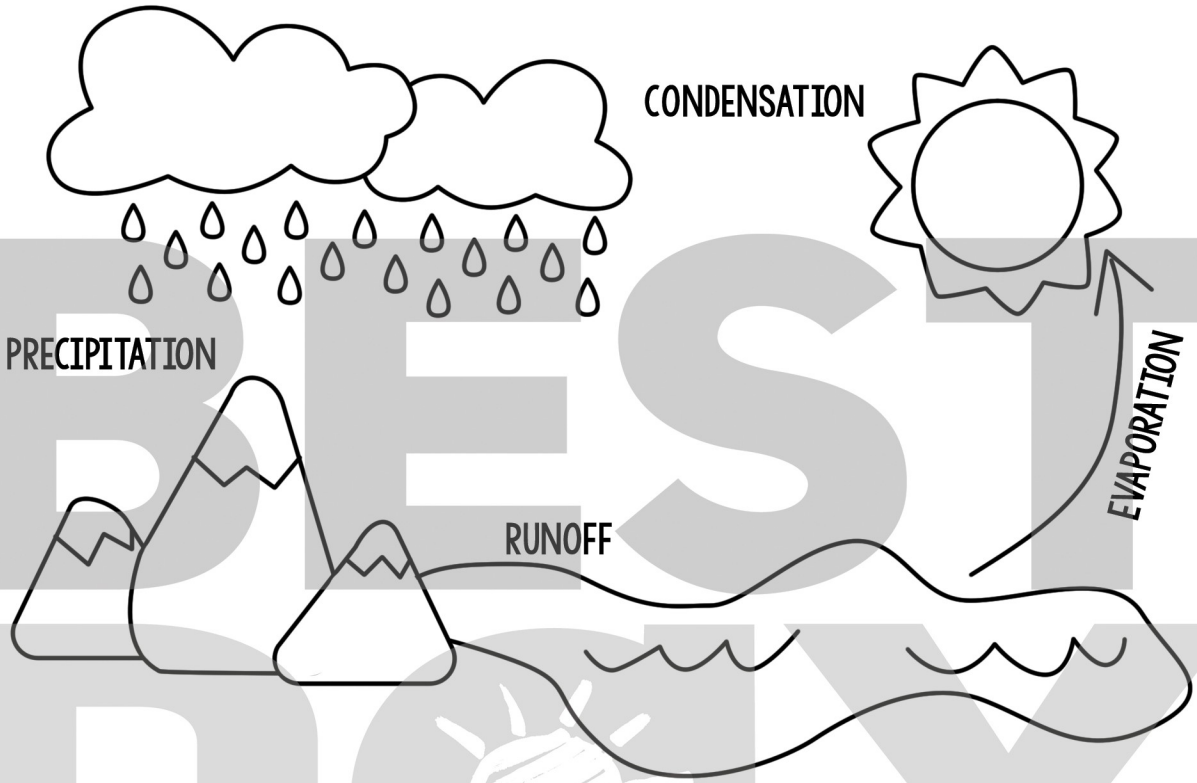
WATER CYCLE IN A BAG



OBSERVATIONS

LATE MORNING

EARLY AFTERNOON

LATE AFTERNOON

EVENING

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