



#11 - The Design of the Solar System Psalm 19:1-11

PICTURES NEEDED

- 11-1 Sun and planets
- 11-2 Sun and planets size comparison

REVIEW

- **Big Question:** What do the stars tell us about God?

There is nothing God doesn't know or can't do.

- **Lesson Rhyme:** Practice the lesson rhyme with the movements.

S—S	Make sign of "S"
Stars	Hold hands up in air and wiggle fingers
Light up the nighttime sky	Hands palms up out in front of body, move up & out
S—S—Stars	From light position move hands from side to side
God watches from on high	Same as above
	Lift arms up in air
	Tilt hands down and look down



S

LESSON CONTENT

- **Introduction:**

Show visual (picture 11-1)

What is this a picture of?

This is a picture of the sun and the planets that orbit (circle around) it. The earth is one of the planets that orbit the sun. (Point to the earth.) Earth is a special planet. It is the only planet where there are living things.

What do living things need to live? Living things need air, water and light. They also need ground to live on. The other planets are part of God's design but they don't have the things needed for life.

God loves the earth and made it as a special place for people and animals to live.

The big question for this week is: What can people know about God from his creation?

Listen as I read the lesson book and see if you can answer the question afterwards.

- **Lesson Book:** Read the book. Refer to the discussion questions.

Title: What is the solar system?

Page 1—Psalm 148:4-6
(picture of planets orbiting sun)

Earth is called a planet.

It orbits round the sun.

But there are other planets.

Earth's not the only one.

Some planets are quite big,
others rather small.

In our solar system,

there are eight in all.

Page 2—Job 38:4-7

(picture of a telescope)

You have to use a telescope
to see where planets are.

And do not get confused
as a planet's not a star.

Planets orbit round the sun;
the sun holds them in place.

The force of gravity attracts
so they don't spin off in space.

Page 3—Job 38:33

(picture of water, air, ground, and life)

Earth is the only planet
where living things are found.

As it's the only planet
with water, air and ground.

It's surrounded by an atmosphere
with the oxygen we need.

On any other planet
there is nothing men can breathe.

Page 4—Psalm 19:5-6

(picture of the sun and planets)

Other planets get too cold;
some get way too hot.

But God placed planet earth
in just the perfect spot.

It's not too close to the sun,
nor is it far away.

So at the temperature life needs
earth does always stay.

Page 5—Psalm 113:4-6
(picture of hands holding the earth)
God loves the earth and made it
as a place for us to dwell.
And everything God does,
he does it very well.
He is the Lord Almighty;
he put earth in a perfect place,
He created every planet
and every star in space.

Page 6—Psalm 8:3-4
(picture of Jesus in the manger)
To show the love God has for us,
he sent his Son to earth.
The God of all the universe
as a baby given birth.
God is the one and only,
the beginning and the end.
Isn't it amazing that God
wants to be our friend?

DISCUSSION QUESTIONS

Page 1: What makes the earth a planet? How many planets are there in our solar system?

Page 2: What do we have to use to learn about the planets? Why? What is the relationship between the planets and the sun? What keeps the planets orbiting around the sun?

Page 3: Why is earth the only planet where there is life? Why can't people live on other planets?

Page 4: Why does the earth stay at the right temperature for there to be life?

Page 5: What shows that God loves the earth? What shows that God loves men?

Page 6: How has God shown his love to all men? Who is Jesus? What does it mean that God is the one and only? What does it mean that God is the beginning and the end?

Review: Select a couple questions from above to ask the students again.

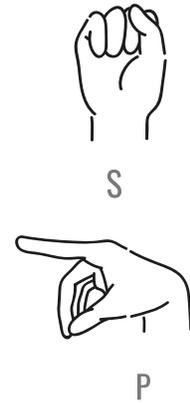
- **Prayer:** Thank God for how much he loves you and all the people on earth. Thank him for making earth a perfect place for life and for sending his Son to earth to show us his great love and to save us from our sin.
- **The Big Question:** Why can all people know God through his creation? The heavens declare the glory of God to everyone on earth.

ACTIVITIES

Any age appropriate activity can be included which fits into the club time. The activities with a star are included on the class notes handout sheet.

★ **Lesson Rhyme:** Practice the lesson rhyme with movements.

S—S	Make sign of "S"
Solar System	Make "S" with L hand. Circle L with R "S"
Planets	Make "P" with both L & R hands
circle round the sun	Circle "P"s over & around head
S—S—Solar System	Same as above
Earth is the	Join hands together in circle over head
special one	Put up R index finger & smile



★ **Activity:** Discussion
Discuss the four things needed for life.

★ **Coloring:** Color in the lesson picture.

★ **Letter/Sound Recognition:** Say the sound of and trace over each letter in the boxes.
With which sound does solar system begin?

• **Craft:** Tissue Paper Sun

As a reminder that the sun is the center of our solar system and is designed to support life on earth, make a tissue paper sun.

Materials: yellow card stock paper, yellow tissue paper, pencils, glue, string, hole punch, scissors.

Preparation: Run off craft 11 on card stock paper and cut the suns apart. Cut lots of 1" squares of yellow tissue paper.

Instructions: Cut out the sun, punch out a hole and tie a piece of string through it. Take a piece of tissue paper wrap it around the eraser end of a pencil. Dip the end with the tissue in glue and place the tissue on the side of the sun without the verse. Cover the whole surface of the sun this way. Another option is to roll the tissue squares into little balls and glue them to the sun.

• **Discovery Activity:** (picture 11-2)

Show visual to show the size of planets compared to that of the sun.

★ **Song: Twinkle, Twinkle Little Star**

Twinkle, twinkle, little star,
How I wonder what you are.
Up above the world so high,
Like a diamond in the sky.

Twinkle, twinkle, little star,
How I wonder what you are!
When the blazing sun is gone,
When there's nothing he shines upon,
Then you show your little light,
Twinkle, twinkle, through the night.

Twinkle, twinkle, little star,
How I wonder what you are!
In the dark blue sky so deep
Through my curtains often peep
For you never close your eyes
Til the morning sun does rise

Twinkle, twinkle, little star
How I wonder what you are
Twinkle, twinkle, little star
How I wonder what you are

JOURNAL

The journal is passed out at the end of class for the students to complete at home. It has six poetic readings and related Bible verses. It would be beneficial for the teacher to read through and be familiar with its content.