

Eye on the Sky Diagnostic Assessment

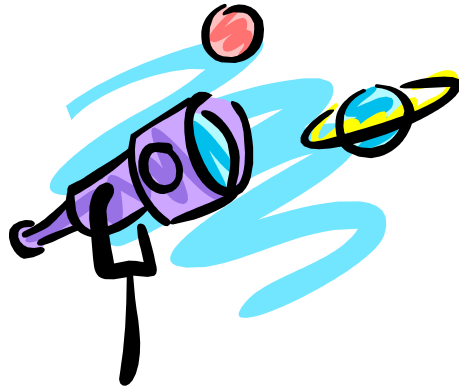


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Eye on the Sky

Diagnostic Assessment

Duration: 20 minutes

Standards Assessed: SC.E.1.1.1.1.1, SC.E.1.1.2.1.1, SC.E.2.1.1.1.1, SC.B.1.1.1.1.1, MA.B.3.1.1.1.2, MA.B.4.1.2.1.2, LA.A.2.1.5.1.1, LA.B.2.1.4.1.1, LA.B.1.1.3.1.4

Description of Assessment Activity:

This diagnostic assessment is a group activity given to students to assess their knowledge of the unit standards. Students select and hold up picture cards to show their answers to the teacher's questions. Paraprofessionals or volunteers may help the teacher record data.

Diagnostic assessments are designed to be challenging assessments to gauge what your students know or don't know about the topic. Be sure students understand this. Do not worry if students don't know the answers. If they know all the answers, then there is no reason to teach this unit. Do not allow your students to spend too much time agonizing over answers. They either know them or they don't.

Teacher Directions:

Prior to assessment:

1. Download the diagnostic assessment.
2. Duplicate, cut, and create cards for each student. Paper clip them together. (Laminate for durability and future use.)
3. Obtain a dictionary and an encyclopedia.
4. Put the sentence and report on the board or make a transparency. Students need a visual.
5. Paper is needed for the writing activity.

Day of assessment:

1. Explain to students that this is an assessment to see what they know about space and a few other things covered in this unit. This is only to help the teacher know what to teach. Tell them not to worry if they don't know all the answers.
2. Distribute cards to students. Tell them they will use the cards to show their answers to the questions. Read questions to the students. Write down the number of students in the observation space using this formula: **knows answer / doesn't know answer**. Example: $5/18 = 5$ students know the correct answer and 18 do not know the answer. Write specific names of students who clearly stand out knowing answers or not knowing answers.

3. It may be necessary to do some practice with students so they can use the cards appropriately. Create different sentences than those used in the diagnostic.
4. Read questions/statements to the students.
 1. The amount of light reflected from the ___ is a little different every day. (Hold up a card for your answer)
 2. The moon appears the same every 28 days. (Hold up a yes, no or don't know card.)
 3. Is there such thing as a crescent moon?
 4. Night and day are caused by the rotation of the earth.
 5. Rotation means to hop around and around.
 6. On a blank card, draw something seen in the day sky. Hold it up.
 7. The earth spins around once in twenty-five hours.
 8. Does the sun heat objects differently?
 9. Would the Earth be cold without the sun?
 10. Can you see clouds in the night sky?
 11. On a blank card, draw something seen in the night sky. Hold it up.
 12. Show what heats the earth.
 13. Are stars in the sky during the morning, afternoon, and evening?
 14. Is 11:00 am before breakfast?
 15. Today is _____. (Fill in the blank with the day) Was yesterday _____? Will tomorrow be _____?
 16. Is 11:30 half an hour later than 12:00?
 17. Is a calendar a tool to measure time?
 18. Would you use a clock to measure how long a day is?
 19. Is a dictionary a kind of reference material you get information from? (Show one)
 20. Can you get facts from an encyclopedia? (Show one)
 21. Is this a complete sentence? in sky the yellow sun
 22. Is this a report with information about the planet Earth? (Show transparency or refer to board.)
 23. Write some information on space. (Look for students using complete sentences.)

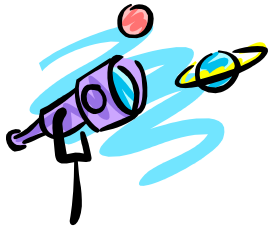
Student Directions:

1. Listen to your teacher.
2. Lay your cards (go over each one). Hold up the card that correctly answers the question I ask you. Give me a minute to tally your answers.
3. This is an assessment to show what you know. If you do not know all the answers it's ok. This will show me what to teach.
4. Please sit quietly and raise your hand if you have questions.

Scoring Method and Criteria:

Each question relates directly to the unit standards. The teacher will tally responses under the observation section of the diagnostic assessment to see how to adjust the

instruction of this unit. Some adjustments that might need to be made would be to skip lessons that students already show mastery on the diagnostic, or extra time may need to be spent on a certain lesson that seems to be missed consistently. Be sure to note individuals who struggle with questions, so their growth can be assessed later on in the unit.



Eye on the Sky

Diagnostic Questions & Observations

K= knows answer/DK = doesn't know answer

SSS/GLE	Question	Observation
SC.E.1.1.1.1	1. The amount of light reflected from the ___ is a little different every day.	K DK
SC.E.1.1.1.1	2. The moon appears the same every 28 days.	K DK
SC.E.1.1.1.1	3. Is there such thing as a crescent moon?	K DK
SC.E.1.1.2.1.1	4. Night and day are caused by the rotation of the earth.	K DK
SC.E.1.1.2.1.1	5. Rotation means to hop around and around. Yes or No?	K DK
SC.E.2.1.1.1.1	6. On a blank card, draw something seen in the day sky.	K DK
SC.E.1.1.2.1.1	7. The earth spins around once in twenty-five hours. Yes or no?	K DK

SC.B.1.1.1.1.1	8. Does the sun heat objects differently?	K DK
SC.B.1.1.1.1.1	9. Would the Earth be cold without the sun?	K DK
SC.E.2.1.1.1.1	10. Can you see clouds in the night sky?	K DK
SC.E.2.1.1.1.1	11. On a blank card, draw something seen in the night sky.	K DK
SC.B.1.1.1.1.1	12. Show what heats the Earth.	K DK
MA.B.3.1.1.1.2	13. Are stars in the sky during the morning, afternoon, and evening?	K DK
MA.B.3.1.1.1.2	14. Is 11:00 am before breakfast?	K DK
MA.B.3.1.1.1.2	15. Today is _____. Was yesterday _____?	K DK
	Will tomorrow be _____?	K DK

MA.B.3.1.1.1.2	16. Is 11:30 half an hour later than 12:00?	K DK
MA.B.4.1.2.1.2	17. Is a calendar a tool to measure time?	K DK
MA.B.4.1.2.1.2	18. Would you use a clock to measure how long a day is?	K DK
LA.A.2.1.5.1.1	19. Is a dictionary a kind of reference material you get information from? (Show one)	K DK
LA.A.2.1.5.1.1	20. Can you get facts from an encyclopedia? (Show one)	K DK
LA.B.1.1.3.1.4	21. Is this a complete sentence? in sky the yellow sun.	K DK
LA.B.2.1.4.1.1	22. Is this a report with information about the planet Earth?	K DK
LA.B.2.1.4.1.1	23. Write some information on space.	K
LA.B.1.1.3.1.4	(Look for students using complete sentences)	DK

Knows answer/does not know answer
S = Satisfactory N = Needs Instruction

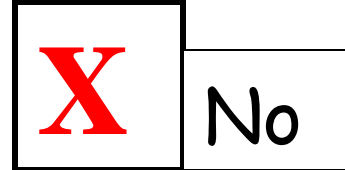
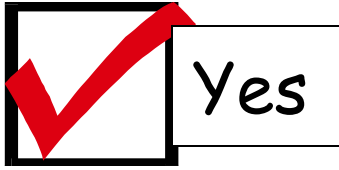


in sky the yellow sun.

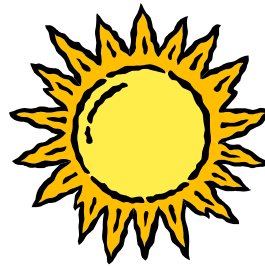
Earth



Earth is our home. It is a round planet covered with land and water. Earth is the third planet from the sun.



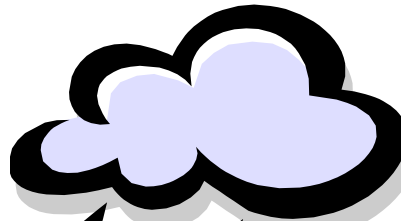
Don't know



Sun



Moon



Clouds