

## ARELLANO UNIVERSITY Jose Rizal High School Gov. Pascual Ave. Malabon City Tel. / Fax: 921 - 27 - 44 PACUCOA ACCREDITED: Level II S.Y. 2021-2022

Name: Grade and Section:			
		GRADE 9 SCIENCE	
,	CONTENT:	SIMBL O GOILINGL	
l. Les	sson No. 23 & 24		
"	01		
" (	Characteristics of Stars & C	onstellations "	
II.	OBJECTIVE		
	1. Show which constel	ations may be observed at different times of the year using models.	
III.	ASSESSMENT		
	Activity 24: Multiple Choice.	Write the letter of the choice that best answers/ completes each item on the space provided for before each number. (15 pts.)	
-	1 is a massive	ball of plasma that emits light throughout the universe.  C. Asteroid	
	B. Star	D. none is the correct answer	
-	2. The is the only	star in our solar system.	
	A. Rigel	C. Sun	
	B. WR102	D. UY Scuti	
-		ity and magnitude of the star.	
	A. brightness	C. mass	
	B. color	D. size	
-		d brightness, factoring in size and distance.	
	A. absolute magnitu	·	
	B. apparent magnit		
-	5. Cooler stars tend to b A. red	C. blue	
	B. white	D. yellow	
	6. Hotter star have a	•	
·	A. red	C. white	
	B. blue	D. yellow	
-	7. It is the hottest star k	nown, sporting a temperature more than 35x hotter than the sun	
	A. Rigel	C. UY Scuti	
	B. WR 102	D. RMC 136a1	
-		s star's temperature on the	
	A. Kelvin scale		
	B. Mole		
	C. Celsius		
	D. Fahrenheit	alterilla at a of	
-	•	all to the size of	
	A. sun	C. star	
	B. earth	D. moon mperature is about 5,500 K.	
-	A. true	C. maybe	
	B. false	D. None of the ff. is the correct answer	
	2. 14.00		

11. It is the coldest known	brown dwarf stars.
A. WISE JO85510.83-07	1442.5
B. Rigel	
C. UY Scuti	
D. WR 102	
 12. Stars in the mid range	s are white or yellow in color,
such our sun with surfac	e temperature of
A. 5000 K – 10000 K	C. 2000 K – 4000 K
B. 10500 K – 15000 K	D. 35000 K – 50000 K
13. It is a natural science	that studies celestial objects and phenomena.
<ul><li>A. Astronomy</li></ul>	C. Astrology
B. Geology	D. Astrobiology
 14. The coolest, reddest s	tars are approximately 2,500 K.
A. True	C. Maybe
B. False	D. Incorrect
	solar radii would be the same size with our own sun, the star Rigel
	ch is much larger than our sun. This means that:
A. Rigel is 78x bigger that of	
B. Any stars can be twice o	r thrice bigger that the sun
C. Sun is a dwarf star	:140
<ul> <li>D. Size of any star is indefined</li> </ul>	iite

## IV. REFERENCE

- 1. Abecilla, Nesjohn L. et al.2014. <u>Practical Science 9</u>, Diwa Learning System Inc., pp.286-289, pp. 296-300
- 2. Other Learning Resources

https://www.lpi.usra.edu/education/skytellers/constellations/ https://www.youtube.com/watch?v=fKEXvZM5RrU

## V. GENERALIZATION:

Observing constellations require directional skills, this is easy if you know the directions. The first thing you should do is to look for Polaris or the North Star.

The Circumpolar constellation can be observed all year long: Cassiopeia, Cepheus, Draco, Ursa Major and Ursa Minor while in the winter, look for Canis Major, Cetus Eridanus, Gemini, Orion, Perseus and Taurus. In the spring, keep an eye out for Bootes, Cancer, Crater, Hydra, Leo and Virgo.

VI. INSTITUTIONAL CORE VALUES: Stewardship.