




Grade 9

School-without-Walls Package 10 (31 May to 4 June 2021)

Homework_Day 1 (31 May 2021)

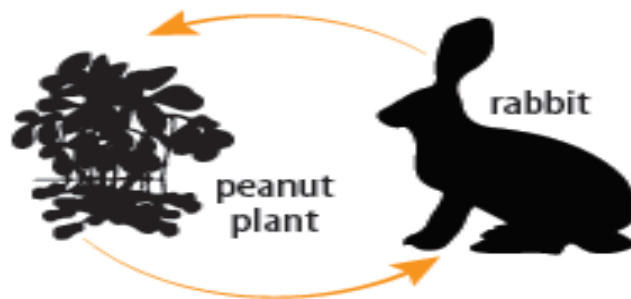
Subject	Click on the Youtube Links	Things to Note
English	Zoom Class	
Mathematics	Zoom Lesson from 11am to 1pm Review Factorisation Exercise 6B #1a,b,c,d Worked Example 7	Homework : Exercise 6B #2a,b, 3a,3d
Biology	Zoom Lesson – 11am to 1pm Look at the answers to 4B Section Questions (Page 81) Questions 1 to Q5. Write the answers in your Science exercise book. Write the answers to all the other questions too. 4B REVIEW ANSWERS <ol style="list-style-type: none">1. Bacteria recycle greenhouse gases and break down oil and other compounds. (pp. 77, 81)2. Ecological footprint calculations don't consider the complexity of human interactions with the environment or the improving technology and recycling of greenhouse gases. (p. 77)3. False. (pp. 78–79) God has promised that He will never destroy the earth with water again.4. declining; growing (pp. 79–80) <div>5. Answers will vary and can be creative. The town could ask the government to treat the swamp with an insecticide; add some other creature to the swamp that likes to eat mosquitoes but that will not compete with the endangered frogs; or create a new habitat for the frogs farther away from town.</div>	

	<p>Answers to Chapter 4 Review (Page 83) Questions 1 to 4</p> <div style="background-color: #0072bc; color: white; text-align: center; padding: 5px; margin: 10px 0;"> CHAPTER REVIEW ANSWERS </div> <p>CONCEPT REVIEW</p> <ol style="list-style-type: none"> 1. Sustainability is the ability of the biosphere to maintain its balance indefinitely. (p. 66) 2. water, oxygen, carbon, and nitrogen (pp. 67–69) 3. Water can leave the earth through transpiration of plants and evaporation. (p. 67) 4. The oxygen and carbon cycles are most closely tied together because they run parallel to each other. When oxygen is absorbed, carbon is released and vice versa. (p. 68) 	
<p>Portuguese</p>	<p>Conteúdo: VOZ ATIVA E VOZ PASSIVA Objetivo: Estudantes pode ser: Transformar voz ativa para voz passiva.</p> <p>- Voz ativa e voz passiva Português On-line. https://youtu.be/3i5D1e9cu10</p> <p>- Click on <u>Voz ativa e voz passiva</u> to read the worksheet.</p> <div style="text-align: center;">  <p>SWW Package 10 - Port= Voz Passiva de</p> </div>	<p>Teste- Após assistir ao video, por favor clique (click) no link abaixo e responda as perguntas. Não se esqueça de enviar!</p> <p>https://forms.gle/KnB6zKXbT TkfRZd78</p>

Homework_Day 2 (1 June 2021)

Subject	Click on the Youtube Links	Things to Note
English	<p>Use Google to find the definition of the following words from your Readworks Comprehension “They Call Them the Apaches” and write them in your English notebook.</p> <ul style="list-style-type: none"> - remarkable - originate - connection - gradually - warrior 	
Mathematics	Factorisation of quadratic expressions	<p>Check answers for Exercise 6B #2a,b, 3a,3d</p> <p>2a) $(a+b)(a+2b)$</p> <p>2b) $(c-d)(c-3d)$</p> <p>3a) $\frac{1}{2}ax^2 + \frac{1}{2}x^3 = \frac{1}{2}x^2(a + x)$</p> <p>3d) $-\frac{1}{4}a^3b^2 - \frac{3}{4}a^2b^3 = -\frac{1}{4}a^2b^2(a + 3b)$</p>
Biology	<p>Answers to Chapter 4 Review (Page 83) Questions 5 to 9</p> <ol style="list-style-type: none"> 5. Plants and phytoplankton give off oxygen. Bacteria, animals, people, and plants give off carbon dioxide. (p. 68) 6. Answers will vary. Bacteria, animals, and people expel carbon in the form of carbon dioxide. Carbon is also released from decaying organisms, burning fossil fuels, and erupting volcanoes. Plants and phytoplankton take in carbon in the form of carbon dioxide to use during photosynthesis. (p. 68) 7. Bacteria living in plant roots, free-living bacteria added to the soil from manure, and lightning strikes can all fix nitrogen. (p. 69) 	

8. Students' diagrams will vary but should look something like the one below. (p. 69)



9. A limiting factor besides food (such as a buildup of wastes) caused the population to shrink. (p. 70)

Do Chapter 4 Review

- Questions 10, 11, (answer in Pg 70)
- Question 14 (answer in Pg 74)
- Question 15 (answer in Pg 76 – 77)
- Question 21 (answer in Pg 80)
- Questions 22 and 23 (answer in Pg 81)

Music

**Celebration (Kool and The Gang) |
Playing For Change | Song Around
The World**

<https://www.youtube.com/watch?v=8Lu41LulQos>

Enjoy the Music.

Homework_Day 3 (2 June 2021)

Subject	Click on the Youtube Links	Things to Note
English	Sentence Formation https://forms.gle/7Cs7YYS8Lp7wrwVy6	Complete Activity 11-13 in your Writing and Grammar book
Mathematics	Special Algebraic Identities View Expansion using Special Algebraic Identities https://youtu.be/S72LpjSwrnU	Copy 6.3 Special Algebraic Identities Expand $(a+b)^2$, $(a-b)^2$, $(a+b)(a-b)$ Copy Worked Example 8, 9, 10
Biology	Answers to Chapter 4 Review Questions 10, 11, 14, 15, 21 – 23. 10. shrink (p. 70) 11. shrink (p. 70) 14. She should assume that there may be more variables to include in her model because systems are complex. This assumption fits into a biblical worldview because she accepts that there is order in nature even if she can't see it yet. (p. 74) 15. respiration and other natural processes (pp. 76–77) 20. When scientists discover new species, they don't know whether the species formed recently or they just haven't seen it yet. (pp. 79–80) 21. Invasive species compete with native species for resources. (p. 80) 22. Bioremediation is a technique that uses organisms to remove or neutralize hazardous materials. (p. 81) 23. Bioremediation is a way to wisely use natural resources to care for the environment and for people. (p. 81) 24. Answers will vary. Possible answers include earth science or oceanography (ocean currents), chemistry (fertilizers), physics (mixing of unmixable liquids), and engineering (designing booms). (p. 81)	
Portuguese	A nossa Lua: fases e eclipses https://www.youtube.com/watch?v=i7Zq545gMOo	Teste- Após assistir ao video, por favor clique (click) no link abaixo e responda as perguntas. Não se esqueça de enviar! https://forms.gle/cQFVG9gDcEVaGMDp7

Homework_Day 4 (3 June 2021)

Subject	Click on the Youtube Links	Things to Note
English		Complete Activity 11-14 in your Writing and Grammar book
Mathematics	Expansion using Special Algebraic Identities Within 30 minutes. Write your workings in your math notebook Exercise 6C #1a,d #2a,d and #3 a,d Submit to https://forms.gle/99zUdvAtf8UCH7pg7 to check your answers	Homework Exercise 6C #1b,c #2b,c and #3b,c Copy Worked Example 11 and 12
Biology	Do Chapter 4 Review Questions 25 – 34 in your biology exercise book.	

Homework_Day 5 (4 June 2021)

Subject	Click on the Youtube Links	Things to Note
English	<p>Readworks Comprehension</p> <ul style="list-style-type: none"> - Go to www.readworks.org - Click "Student Login" - Enter Class Code "LQLDXX" - Click on your name - Enter Password "1234" <p>Complete comprehension assignment</p>	
Mathematics	<p>Problem solving in the use of special Algebraic Identities</p> <p>https://youtu.be/S72LpjSwrnU?t=480</p>	Homework Exercise 6C #4,5,6
Biology	<p>TRUE OR FALSE</p> <ol style="list-style-type: none"> 25. True. (p. 67) 26. False. (p. 69) Nitrogen enters our bodies as we eat plants that contain nitrogen. 27. True. (p. 70) 28. True. (p. 70) 29. False. (p. 73) Pioneer and climax species can grow together. 30. True. (p. 73) 31. False. (p. 77) We should always be concerned about managing the by-products of human industry. 32. False. (pp. 77–78) As the human population increases, new technology helps us stay within the earth's carrying capacity. 33. True. (pp. 78–79) 34. False. (pp. 79–80) We should preserve species whenever possible. 	
Portuguese	<p>Frases condicionais (Conditional phrases)</p> <p>https://www.youtube.com/watch?v=S3ONu03RQKM</p>	<p>Teste - Após assistir ao video, por favor clique (click) no link abaixo e responda as perguntas. Não se esqueça de enviar!</p> <p>https://forms.gle/eqEZrgjo7kH4BQ787</p>
Music	<p>A Million Dreams (from The Greatest Showman) Cover by One Voice Children's Choir</p> <p>https://www.youtube.com/watch?v=sr9QjaB83YA</p>	<p>A million dreams for the world you're gonna make. However big, however small, let the dreams of a better world keeps you going.</p>