



BJU Press - 5th Grade - Science - Quarter 4 Map

Week	Lessons	Project/Activity	Modification	Submit	Objectives
1	141-145		Do lessons 144 and 145 in one day		Students will be able to: <ol style="list-style-type: none">1. Differentiate between refraction and reflection2. Recognize that the color of an object depends on which colors of light are being reflected3. Identify the primary colors of light4. Test the visibility of colors5. Infer which colors are most visible in fog6. Explain how light reflects off smooth and rough surfaces7. Identify and describe three kinds of mirrors8. Identify some technologies that use light9. Name some uses for lasers
2	146-150		Do lessons 147 and 148 in one day		Students will be able to: <ol style="list-style-type: none">1. Differentiate between the angle of incidence and the angle of reflection2. Infer the relationship between the angle of reflection and the angle of incidence3. Identify characteristics of waves found in the electromagnetic spectrum4. Name some uses for each type of electromagnetic wave5. Contrast the naturalistic view of the sun's origin with the biblical view6. Recognize that the Bible calls Christians to defend their faith7. Identify different ways that light is used in technology8. Make a collage that explains how different products use

					light
3	151-154			Test 10	<p>Chapter 10 Review and Test</p> <p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Contrast technology with the marvels found in the human body 2. Demonstrate how people are being inspired by God's design to develop new technology 3. Identify the respiratory system as the breathing system 4. Differentiate between involuntary breathing and voluntary breathing 5. Identify the miracles that help with breathing 6. Describe the movement of the body and air when inhaling and exhaling
4	155-157				<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Make a model of a lung 2. Use the lung model to explain how the diaphragm moves during breastfeeding 3. Explain how mucus and cilia help keep the respiratory system clean 4. List the parts of the respiratory system from the nose to the larynx 5. Describe the function of the epiglottis 6. Explain how vocal cords produce sound
5	158-163	Lesson 161	Do lessons 162 and 163 on the same day	Lesson 161	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Identify and describe the trachea, bronchi, and lungs 2. Describe the functions of the lungs 3. Explain what causes snoring, hiccupping, coughing, and sneezing 4. Calculate the amount of air exhaled 5. Identify variables that may affect the results 6. Describe the unique way God created man 7. Relate the physical position of Jesus on the cross to His inability to breathe normally as a part of His suffering 8. Identify some diseases that make it difficult to breathe

					<p>properly</p> <ol style="list-style-type: none"> 9. Describe what happens during an asthma attack 10. Recognize that allergies are not contagious 11. Name some reasons why smoking is harmful to your health
6	164-167				<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Explain why it is hard to quit smoking 2. Identify dangers of smoking 3. Identify reasons people smoke 4. List biblical reasons for not smoking <p>Chapter 11 Review and Test</p> <p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Illustrate the superiority of God's design over mankind's technology 2. Glorify God for His wisdom and power
7	168-172		Do lessons 171 and 172 on the same day		<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Name the parts of the circulatory system 2. Describe the path of blood through the heart 3. Explain the function of the heart's pacemaker 4. Calculate heart rate 5. Calculate how long it takes the heart rate to return to normal after exercise 6. Make a line graph using the heart-rate data 7. Identify and describe the three types of blood vessels 8. Name the largest artery and the largest veins 9. Differentiate between arteries and veins 10. Recognize that the exchange of gasses takes place in the capillaries 11. Explain why William Harvey is important as a scientist and physician
8	173-176				<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Identify the contents of blood 2. Describe platelets, red blood cells, and white blood cells

					<ol style="list-style-type: none"> 3. Name four main blood types 4. Describe a blood donation 5. Demonstrate which blood types can safely mix with each other 6. Model the heart pumping blood 7. Compare the model with the function of the heart
9	177-180			Test 12	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Explain why it is important to identify the God of the Bible as the designer of our bodies 2. Defend, using Scripture, that Jesus created the world 3. Identify organs that help remove wastes from the body 4. Recognize that the kidneys help clean the blood 5. Name three ways to stay healthy 6. Recognize that no inventions would be possible without God <p>Chapter 12 Review and Test</p>