Teacher: Ericka R. Woodson | Week of: 1/06/2025-1/10/2025 | Subject: 7th Grade- Life Science | Period: 1st-6th

	OBJECTIVES	ACTIVITIES	RESOURCES	HOMEWORK	EVALUATION	STANDARDS
MON	**Heredity: Inheritance and Variation of Traits:** Genetics & Biotechnology	**Bell Ringer:** How are traits passed from parent to offspring? Welcome to Second Semester-Life Science Ch.5 Genetics -Vocabulary	_X_Textbook __Laboratory Experience _X_Handout/Worksheet __Assessment __PowerPoint __Slides/Pictures __Video __Chart/Graph __Model _X Chromebook/Computer __Other:	Complete any assignments not finished in class.	__Oral Response __ Homework _X_Notebook __Quiz __ Test __Project/Report/Presentation _X Daily work __Observation __Worksheet/Handout __Lab/Lab Composition _X_ Class/Group Participation __Other:	**11.** Develop and use models to demonstrate how genetic variations between parents and offspring result from differences in inherited genes located on chromosomes. **12.** Develop and use models to explain how genes are expressed through the flow of genetic information from DNA to RNA to a functional protein. **13.** Develop and use models to explain that meiosis results in new genetic combinations with increased variation. **a.** Construct an explanation of the advantages and disadvantages of asexual and sexual reproduction. **b.** Construct an explanation from evidence of how genetic variants may result in harmful, beneficial, or neutral effects on the structure and function of an organism. **14.** Obtain, evaluate, and communicate information on the use of technologies that impact the inheritance and appearance of traits in organisms
TUE	**Heredity: Inheritance and Variation of Traits:** Genetics & Biotechnology	**Bell Ringer:** Who is known as "the Father of Genetics" and why? Ch 5.1- Mendel and His Peas • Early Ideas About Heredity • Mendel's Experimental Methods	_X_Textbook _ _Laboratory Experience _X_Handout/Worksheet __Assessment __PowerPoint __Slides/Pictures __Video __Chart/Graph __Model _X _Chromebook/Computer __Other:	Complete any assignments not finished in class.	__Oral Response __ Homework __Notebook __Quiz __ Test __Project/Report/Presentation _X Daily work __Observation __Worksheet/Handout __Lab/Lab Composition _X_ Class/Group Participation __Other:	**11.** Develop and use models to demonstrate how genetic variations between parents and offspring result from differences in inherited genes located on chromosomes. **12.** Develop and use models to explain how genes are expressed through the flow of genetic information from DNA to RNA to a functional protein. **13.** Develop and use models to explain that meiosis results in new genetic combinations with increased variation. **a.** Construct an explanation of the advantages and disadvantages of asexual and sexual reproduction. **b.** Construct an explanation from evidence of how genetic variants may result in harmful, beneficial, or neutral effects on the structure and function of an organism. **14.** Obtain, evaluate, and communicate information on the use of technologies that impact the inheritance and appearance of traits in organisms
WED	**Heredity: Inheritance and Variation of Traits:** Genetics & Biotechnology	**Bell Ringer:** Distinguish between a dominant and a recessive trait. Ch 5.1- Mendel and His Peas • Mendel's Conclusions	_X_Textbook __Laboratory Experience _X_Handout/Worksheet __Assessment __PowerPoint __Slides/Pictures __Video __Chart/Graph _X_Model _X_Chromebook/Computer __Other:	Complete any assignments not finished in class.	__Oral Response _X Homework _X_Notebook __Quiz _X_ Test __Project/Report/Presentation _X Daily work _X Observation _X Worksheet/Handout __Lab/Lab Composition _X Class/Group Participation __Other:	**11.** Develop and use models to demonstrate how genetic variations between parents and offspring result from differences in inherited genes located on chromosomes. **12.** Develop and use models to explain how genes are expressed through the flow of genetic information from DNA to RNA to a functional protein. **13.** Develop and use models to explain that meiosis results in new genetic combinations with increased variation. **a.** Construct an explanation of the advantages and disadvantages of asexual and sexual reproduction. **b.** Construct an explanation from evidence of how genetic variants may result in harmful, beneficial, or neutral effects on the structure and function of an organism. **14.** Obtain, evaluate, and communicate information on the use of technologies that impact the inheritance and appearance of traits in organisms

THUR	**Heredity: Inheritance and Variation of Traits:** Genetics & Biotechnology	**Bell Ringer:** What is a Punnett Square? Ch 5. 2- Understanding Inheritance • What controls traits? • Amoeba Sisters: Alleles and Genes	_X_Textbook __Laboratory Experience _X_Handout/Worksheet _X_Assessment __PowerPoint __Slides/Pictures __Video __Chart/Graph _X_Model _X_Chromebook/Computer __Other:	Complete any assignments not finished in class.	__Oral Response _X_Homework _X_Notebook _X_Quiz _X_ Test __Project/Report/Presentation _X_ Daily work __Observation __Worksheet/Handout __ Lab/Lab Composition _X_ Class/Group Participation __Other:	**11.** Develop and use models to demonstrate how genetic variations between parents and offspring result from differences in inherited genes located on chromosomes. **12.** Develop and use models to explain how genes are expressed through the flow of genetic information from DNA to RNA to a functional protein. **13.** Develop and use models to explain that meiosis results in new genetic combinations with increased variation. **a.** Construct an explanation of the advantages and disadvantages of asexual and sexual reproduction. **b.** Construct an explanation from evidence of how genetic variants may result in harmful, beneficial, or neutral effects on the structure and function of an organism. **14.** Obtain, evaluate, and communicate information on the use of technologies that impact the inheritance and appearance of traits in organisms
FRI	**Heredity: Inheritance and Variation of Traits:** Genetics & Biotechnology	**Bell Ringer:** Distinguish between genotype and phenotype. Ch 5.2- Understanding Inheritance • Complex Patterns of Inheritance • Amoeba Sisters: Incomplete Dominance, Codominance, Polygenic Inheritance, Epistasis [Non-Mendelian]	_X_ Textbook __Laboratory Experience _X_ Handout/Worksheet __Assessment __PowerPoint __Slides/Pictures __Video __Chart/Graph _X_Model _X_Chromebook/Computer __Other:	Complete any assignments not finished in class.	_X_Oral Response _X_Homework _X_Notebook __Quiz __ Test __Project/Report/Presentation _X_ Daily work __Observation __Worksheet/Handout __Lab/Lab Composition _X_ Class/Group Participation __Other:	**11.** Develop and use models to demonstrate how genetic variations between parents and offspring result from differences in inherited genes located on chromosomes. **12.** Develop and use models to explain how genes are expressed through the flow of genetic information from DNA to RNA to a functional protein. **13.** Develop and use models to explain that meiosis results in new genetic combinations with increased variation. **a.** Construct an explanation of the advantages and disadvantages of asexual and sexual reproduction. **b.** Construct an explanation from evidence of how genetic variants may result in harmful, beneficial, or neutral effects on the structure and function of an organism. **14.** Obtain, evaluate, and communicate information on the use of technologies that impact the inheritance and appearance of traits in organisms