

	OBJECTIVES	ACTIVITIES	RESOURCES	HOMEWORK	EVALUATION	STANDARDS
MON	Heredity: Inheritance and Variation of Traits: Genetics & Biotechnology	<p>Bell Ringer: Distinguish between a gene and an allele?</p> <p>Ch 5. 2- Understanding Inheritance</p> <ul style="list-style-type: none"> What controls traits? Amoeba Sisters: Alleles and Genes Modeling Inheritance 	<input checked="" type="checkbox"/> Textbook <input type="checkbox"/> Laboratory Experience <input checked="" type="checkbox"/> Handout/Worksheet <input type="checkbox"/> Assessment <input type="checkbox"/> PowerPoint <input type="checkbox"/> Slides/Pictures <input checked="" type="checkbox"/> Video <input type="checkbox"/> Chart/Graph <input type="checkbox"/> Model <input checked="" type="checkbox"/> Chromebook/Computer <input type="checkbox"/> Other:	Complete any assignments not finished in class.	<input type="checkbox"/> Oral Response <input type="checkbox"/> Homework <input checked="" type="checkbox"/> Notebook <input type="checkbox"/> Quiz <input type="checkbox"/> Test <input type="checkbox"/> Project/Report/Presentation <input checked="" type="checkbox"/> Daily work <input type="checkbox"/> Observation <input type="checkbox"/> Worksheet/Handout <input type="checkbox"/> Lab/Lab Composition <input checked="" type="checkbox"/> Class/Group Participation <input type="checkbox"/> Other:	<p>11. Develop and use models to demonstrate how genetic variations between parents and offspring result from differences in inherited genes located on chromosomes.</p> <p>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.</p> <p>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.</p> <p>14. Obtain, evaluate, and communicate information on the use of technologies that impact the inheritance and appearance of traits in organisms</p>
TUE	Heredity: Inheritance and Variation of Traits: Genetics & Biotechnology	<p>Bell Ringer: Distinguish between genotype and phenotype.</p> <p>Ch 5.2- Understanding Inheritance</p> <ul style="list-style-type: none"> Complex Patterns of Inheritance Amoeba Sisters: Incomplete Dominance, Codominance, Polygenic Inheritance, Epistasis [Non-Mendelian] 	<input type="checkbox"/> Textbook <input type="checkbox"/> Laboratory Experience <input checked="" type="checkbox"/> Handout/Worksheet <input type="checkbox"/> Assessment <input type="checkbox"/> PowerPoint <input type="checkbox"/> Slides/Pictures <input checked="" type="checkbox"/> Video <input type="checkbox"/> Chart/Graph <input type="checkbox"/> Model <input checked="" type="checkbox"/> Chromebook/Computer <input type="checkbox"/> Other:	Complete any assignments not finished in class.	<input type="checkbox"/> Oral Response <input type="checkbox"/> Homework <input type="checkbox"/> Notebook <input type="checkbox"/> Quiz <input type="checkbox"/> Test <input type="checkbox"/> Project/Report/Presentation <input checked="" type="checkbox"/> Daily work <input type="checkbox"/> Observation <input type="checkbox"/> Worksheet/Handout <input type="checkbox"/> Lab/Lab Composition <input checked="" type="checkbox"/> Class/Group Participation <input type="checkbox"/> Other:	<p>11. Develop and use models to demonstrate how genetic variations between parents and offspring result from differences in inherited genes located on chromosomes.</p> <p>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.</p> <p>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.</p> <p>14. Obtain, evaluate, and communicate information on the use of technologies that impact the inheritance and appearance of traits in organisms</p>
WED	Heredity: Inheritance and Variation of Traits: Genetics & Biotechnology	<p>Bell Ringer: Distinguish between codominance and incomplete dominance?</p> <ul style="list-style-type: none"> Punnett Square Practice 	<input type="checkbox"/> Textbook <input type="checkbox"/> Laboratory Experience <input checked="" type="checkbox"/> Handout/Worksheet <input type="checkbox"/> Assessment <input type="checkbox"/> PowerPoint <input type="checkbox"/> Slides/Pictures <input type="checkbox"/> Video <input type="checkbox"/> Chart/Graph <input checked="" type="checkbox"/> Model <input checked="" type="checkbox"/> Chromebook/Computer <input type="checkbox"/> Other:	Complete any assignments not finished in class.	<input type="checkbox"/> Oral Response <input checked="" type="checkbox"/> Homework <input checked="" type="checkbox"/> Notebook <input type="checkbox"/> Quiz <input checked="" type="checkbox"/> Test <input type="checkbox"/> Project/Report/Presentation <input checked="" type="checkbox"/> Daily work <input checked="" type="checkbox"/> Observation <input checked="" type="checkbox"/> Worksheet/Handout <input type="checkbox"/> Lab/Lab Composition <input checked="" type="checkbox"/> Class/Group Participation <input type="checkbox"/> Other:	<p>11. Develop and use models to demonstrate how genetic variations between parents and offspring result from differences in inherited genes located on chromosomes.</p> <p>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.</p> <p>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.</p> <p>14. Obtain, evaluate, and communicate information on the use of technologies that impact the inheritance and appearance of traits in organisms</p>

THUR	<p>Heredity: Inheritance and Variation of Traits: Genetics & Biotechnology</p>	<p>Bell Ringer: What environmental factors affect phenotype?</p> <ul style="list-style-type: none"> • Ch 5.2 Vocabulary Spelling Test • Punnett Square/Lab Set Up • Genes and the Environment 	<p><input checked="" type="checkbox"/> Textbook <input type="checkbox"/> Laboratory Experience <input checked="" type="checkbox"/> Handout/Worksheet <input type="checkbox"/> Assessment <input type="checkbox"/> PowerPoint <input type="checkbox"/> Slides/Pictures <input type="checkbox"/> Video <input type="checkbox"/> Chart/Graph <input checked="" type="checkbox"/> Model <input checked="" type="checkbox"/> Chromebook/Computer <input type="checkbox"/> Other:</p>	<p>Complete any assignments not finished in class.</p>	<p><input type="checkbox"/> Oral Response <input checked="" type="checkbox"/> Homework <input checked="" type="checkbox"/> Notebook <input checked="" type="checkbox"/> Quiz <input checked="" type="checkbox"/> Test <input type="checkbox"/> Project/Report/Presentation <input checked="" type="checkbox"/> Daily work <input type="checkbox"/> Observation <input type="checkbox"/> Worksheet/Handout <input type="checkbox"/> Lab/Lab Composition <input checked="" type="checkbox"/> Class/Group Participation <input type="checkbox"/> Other:</p>	<p>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</p>
FRI	<p>Heredity: Inheritance and Variation of Traits: Genetics & Biotechnology</p>	<p>Bell Ringer: How does polygenic genetics differ from Mendel's Model?</p> <ul style="list-style-type: none"> • Genetics: What will Our Baby Look Like? 	<p><input checked="" type="checkbox"/> Textbook <input checked="" type="checkbox"/> Laboratory Experience <input checked="" type="checkbox"/> Handout/Worksheet <input type="checkbox"/> Assessment <input type="checkbox"/> PowerPoint <input type="checkbox"/> Slides/Pictures <input type="checkbox"/> Video <input type="checkbox"/> Chart/Graph <input checked="" type="checkbox"/> Model <input checked="" type="checkbox"/> Chromebook/Computer <input type="checkbox"/> Other:</p>	<p>Complete any assignments not finished in class.</p>	<p><input checked="" type="checkbox"/> Oral Response <input checked="" type="checkbox"/> Homework <input checked="" type="checkbox"/> Notebook <input type="checkbox"/> Quiz <input type="checkbox"/> Test <input type="checkbox"/> Project/Report/Presentation <input checked="" type="checkbox"/> Daily work <input type="checkbox"/> Observation <input type="checkbox"/> Worksheet/Handout <input checked="" type="checkbox"/> Lab/Lab Composition <input checked="" type="checkbox"/> Class/Group Participation <input type="checkbox"/> Other:</p>	<p>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</p>