Biology 4th Nine Weeks: Scope and Sequence

Content Standards	Dates Taught	% of Students scoring 70% and over	Dates Re-taught (Optional)	Formative and Summative Assessments/ (Any Additiona Comments Optional)	l	
 (7) Apply Mendel's Law to determine phenotypic and genotypic probabilities of offspring. Defining important genetic terms, including dihybrid cross, monohybrid cross, phenotype, genotype, homozygous, heterozygous, dominant trait, recessive trait, incomplete dominance, codominance, and allele Interpreting inheritance patterns shown in graphs and charts Calculating genotypic and phenotypic percentages and ratios using a Punnett square 						
(8) Identify the structure and function of DNA, RNA, and protein. Explaining relationships among DNA, genes, and chromosomes Explore significant contributions of biotechnology to society, including agricultural, medical practices including cloning, DNA fingerprinting, insulin and growth hormone development Relate normal patterns of genetic inheritance to genetic variation, example crossing over Relate ways chance, mutagens, and genetic engineering increase diversity, example translocation and recombinant DNA Relate genetic disorders and disease ut, indt w,, mutinti80(t)5.a(in)9lat(d)-5.0)(t)5u32 (A))59(d)-225.0((d)-lat(d)-5.0(t)5u32 (A)59(df	q	BrT3.51 -