

Content Area:	Biology	Week:	May 24-26
Title:	The Genetics of Duchenne Muscular Dystrophy		
Instructions:	Students will review concepts taught during the first semester to explain the genetics behind Duchenne Muscular Dystrophy and a possible genetic engineering treatment. Assignments 2 and 3 are review of first semester material and are optional, but vital to understanding Assignments 4, 5 and 6 including new material related to Duchenne Muscular Dystrophy (DMD). 1- Read and answer questions What is Duchenne Muscular Dystrophy? 2- Read and answer questions Inheritance of Genes 3- Read and answer questions CK12 Expressing Dominant and Recessive 4- Read and answer questions to discover the DMD Pattern of Inheritance 5- Read and answer questions What is the DMD Gene and How is related to Duchenne Muscular Dystrophy? 6- Read and answer questions about treatment based on Genome Editing and CRISPR-Cas9		
Digital Access:	Links to packet pages referenced below can be found at www.cmc ss.net		
Additional Digital Resources:	Videos • What is Duchenne Muscular Dystrophy? • Genome Editing with CRISPR-Cas9 • TED Talk- How CRISPR lets us edit our DNA		
Parent Resources:	Printed parent resources available in the printed packet. Links to digital parent resources: Biology Week 7 Plan- Parent Copy		