

Edmore Public School
706 Main St, Edmore, ND 58330

Life Science Lesson Plan

Dates:

October 30 - November 3, 2023

Time and Period:

12:42 - 1:34 PM, Fifth Period

Performance Standard:

MS-LS1-4

Use a model to illustrate the role of cellular division (mitosis) and differentiation in producing and maintaining complex organisms.

MS-LS3-2

Develop and use a model to describe why asexual reproduction results in offspring with identical genetic information and sexual reproduction results in offspring with genetic variation.

Monday, October 30

Topic	Relating Gene Structure to Traits, pp. 128 - 131
Objectives	Examine how genes are related to chromosomes.
Bell Ringer	Differentiate between <i>gene and chromosome</i> .
Procedure / Instructional Delivery	Review, Interactive Discussion, Simulation, Illustrations, Hands - on / Laboratory Activity
Assessment	Relating Gene Structure to Traits, pp. 128 - 131 Modelling Genes and Traits, pp. 130 and 131

Tuesday, October 31

Topic	Completion of Model: Modelling Genes and Traits, pp. 130 and 131
Objectives	Model how genetic variation can be influenced by environmental factors, such as fish species.
Bell Ringer	Differentiate between <i>genotype and phenotype</i> .
Procedure / Instructional Delivery	Interactive Discussion, Video, Illustrations, Hands - on / Laboratory Activity
Assessment	Completion of Model: Modelling Genes and Traits, pp. 130 and 131

Wednesday, November 1

Topic	Modelling Inheritance of Traits, pp. 132 - 134
Objectives	Develop and use a model to predict an organism's genotype.
Bell Ringer	Differentiate between <i>allele</i> and <i>gene</i> .
Procedure / Instructional Delivery	Interactive Discussion, Video, Illustrations, Simulations, Hands - on / Laboratory Activity
Assessment	Modelling Inheritance of Traits, pp. 132 - 134

Thursday, November 2

Topic	Review and Practice: Use of Punnett Squares, pp. 133 - 134
Objectives	Complete a punnett square to find the probability of an organism's genotype and phenotype.
Bell Ringer	Define <i>inheritance</i> .
Procedure / Instructional Delivery	Interactive Discussion, Guided Practice, Illustrations, Simulations, Hands - on / Laboratory Activity
Assessment	Review and Practice: Use of Punnett Squares, pp. 133 - 134 Checkpoints, pp. 138 - 139

Friday, November 3

Topic	Quiz Introduction to Sexual and Asexual Reproduction, pp. 142 - 144
Objectives	Identify living organisms that reproduce either sexually or asexually.
Bell Ringer	Differentiate between sexual and asexual reproduction.
Procedure / Instructional Delivery	Interactive Discussion, Video, Illustrations
Assessment	Traits Passed on from Parents to Offsprings, pp. 126 and 127 Introduction to Sexual and Asexual Reproduction, pp. 142 - 144