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| Big Idea | Content | | | | | | | | | | | | | | | | | | | Curricular Competencies | | | | | | | | | | | | | | | | | | |
| DNA is the basis for diversity of living things | DNA structure and function | | | | Patterns of inheritance | | | Mechanisms for the diversity of life | | | | | | | | Applied genetics and ethical considerations | | | | Questioning and predicting | | | Planning and conducting | | | | Processing and analyzing data and information | | | Evaluating | | | Applying and innovating | | | Communicating | | |
| mutation and its impact on evolution | | | | natural selection and artificial selection | | | |
| Assignment # | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** |  |  |  |  |  |  |  |  |  |  |  | **1** | **1** | **2** | **3** | **8** | **6** | **5** |  |  |  |  |  |  |  |  |  |  |  |  |
| Assignment  Descriptor  (Learning Target) | Genes and chromosomes | How do mutations occur? |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Intellectual curiosity | Observations | Hypotheses | Planning | Assessing risks | Select and use equipment | Safety, ethical guidelines |  |  |  |  |  |  |  |  |  |  |  |  |
| Albert E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Francis C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Jane G |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Marie C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rosalind F |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| James W |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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