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| **Lesson Plan:** |

**Prescribed learning outcomes:**

**B1 - 1, 2, 3, 4, 5**

**Big Ideas and Skills learned at end of unit**

**2, 4, 5, 7**

**Learning objectives**

**2, 3, 4, 5, 6, 7, 10**

*Please refer to Unit plan\_Reproduction for details.*

**Material and equipment needed**

|  |  |
| --- | --- |
| Projector | Worksheets |

**Assessment Plan:**

**Formative -**

**Summative-** Worksheets to hand in by the end of class

**Hook and Introduction**

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| --- | --- | --- | --- |
| **Time** | **Activity** | **Teaching notes** | **Assessment** |
| 1:45- 1:55 | * Video | * Video that they wanted to watch * https://www.23andme.com/en-ca/gen101/phenotype/ * Bee activity due * April 15 - Math contest |  |

**Development**

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| --- | --- | --- | --- |
| **Time** | **Activity** | **Teaching notes** | **Assessment** |
| 1:55-2:50 | * Computer lab simulation | * Simulation activity * Google search " the eukaryotic cell cycle and cancer biointeractive" * Instructions: go through simulation, don't do crossed out questions - you may if you have time * Hand in at end of class * If finished early, may work on HW or play cell cycle game * Control of the cell cycle game: * http://www.nobelprize.org/educational/medicine/2001/ |  |

**Closure**

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| --- | --- | --- | --- |
| **Time** | **Activity** | **Teaching notes** | **Assessment** |
| 2:50-3:03 | * Homework and lab introduction | What is the relationship between the cell cycle and cancer?  LAB next class  HW: Mitosis worksheet  Lab prep (otherwise can't let you start lab):  - Read pg 162-163  - Draw out your data collection boxes in Procedure #1 and your frequency chart in Procedure #6  Have we used microscopes before?  Assignment (due Tues):  Project proposal next Tues | Activity sheets |