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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**

|  |  |  |  |
| --- | --- | --- | --- |
| **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 classHW: Mitosis worksheetLab 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 #6Have we used microscopes before?Assignment (due Tues):Project proposal next Tues | Activity sheets |