**Knowledge organiser for KS4 Biology Mitosis and Stem Cells at Saint Ambrose College 2020+**

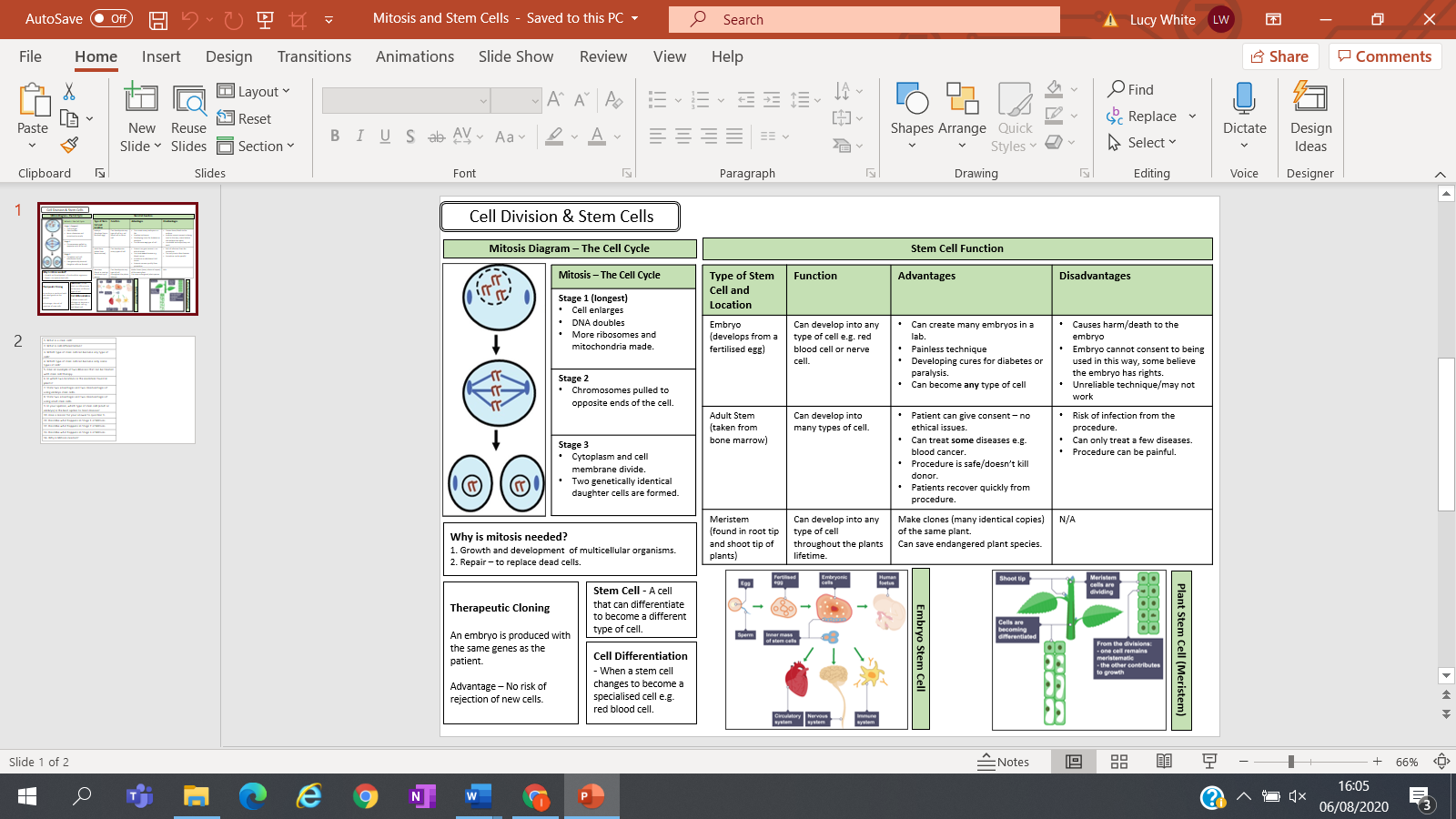
**What is covered in this unit?**

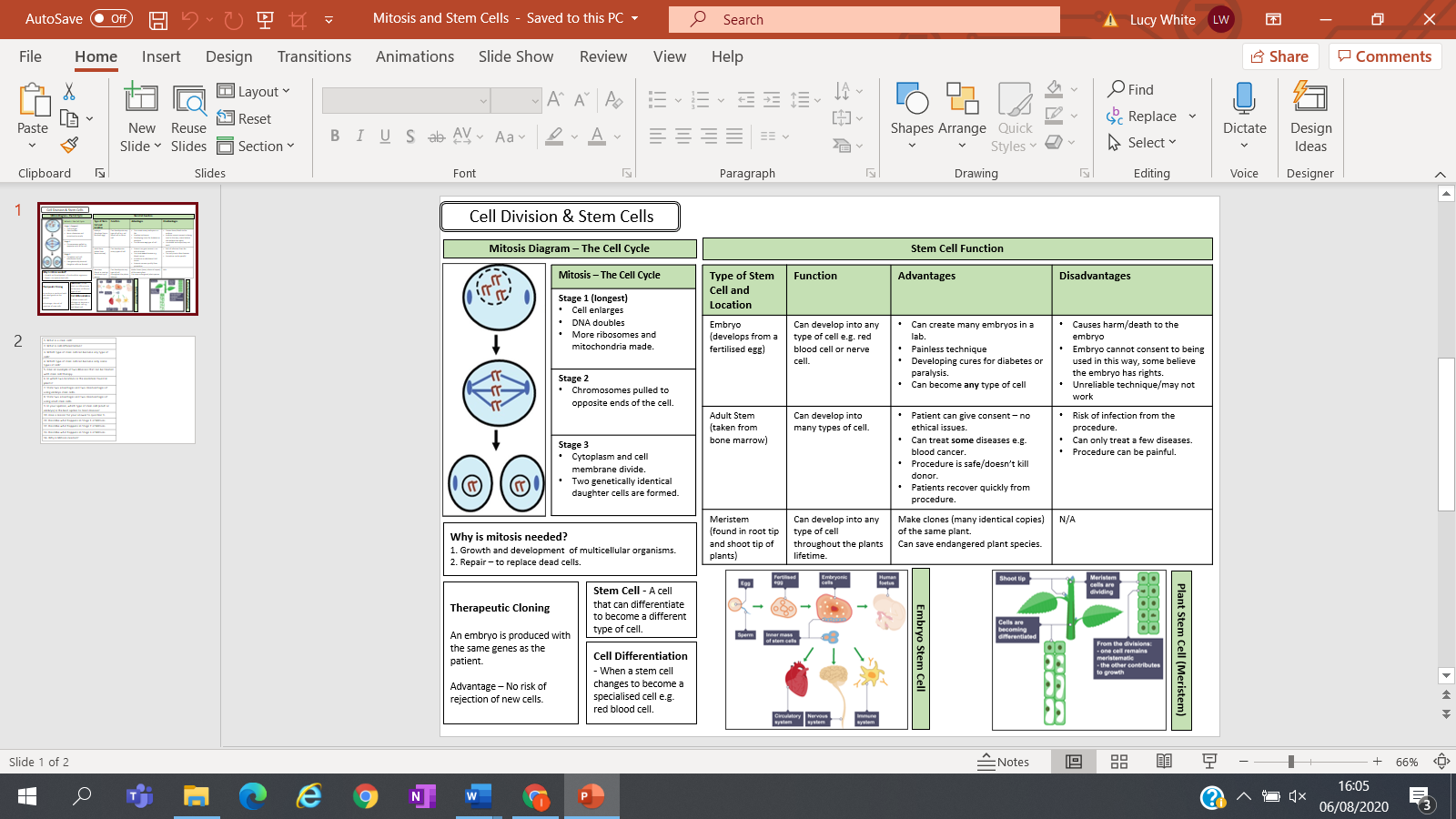
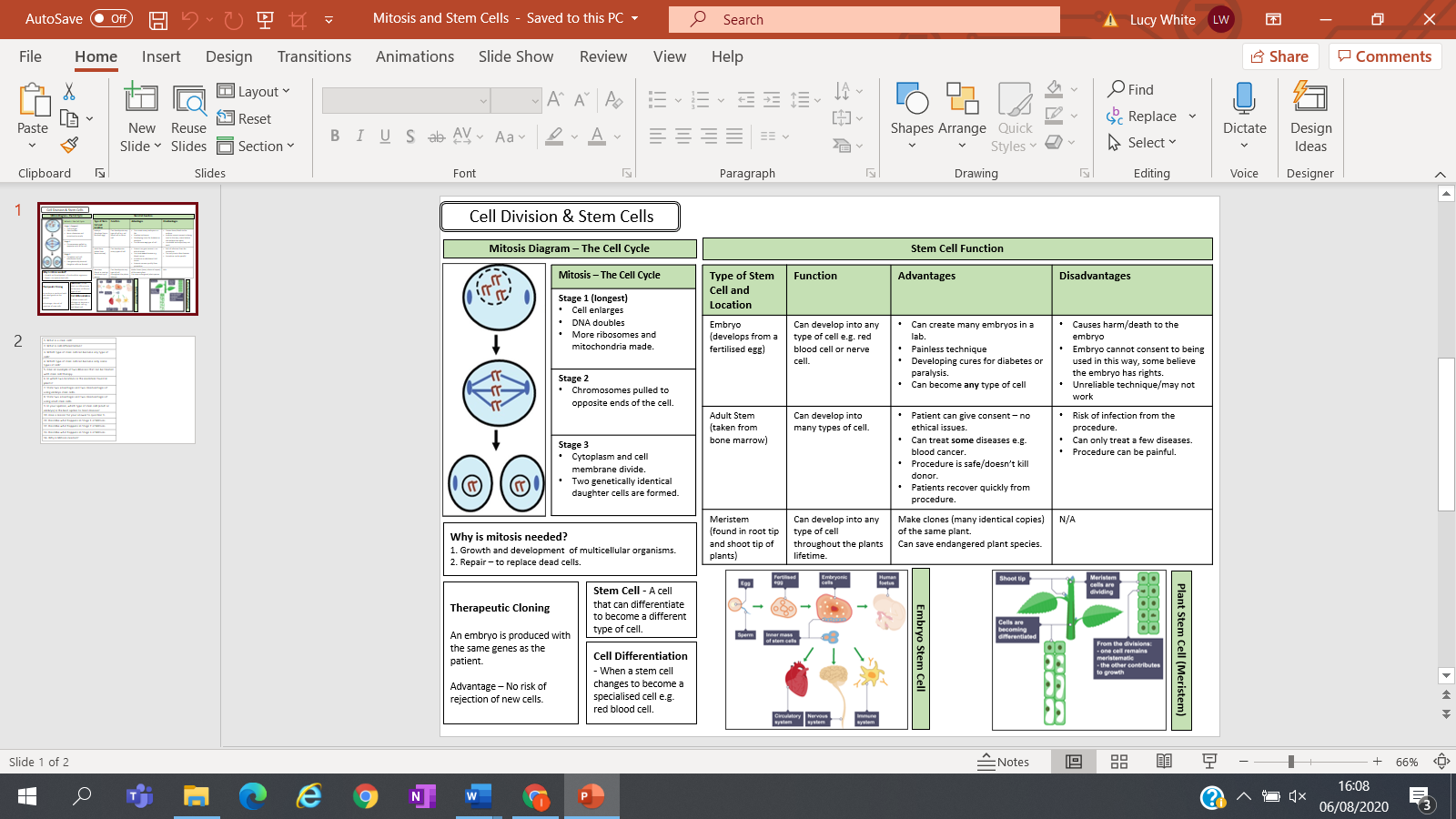
Cell division; mitosis; stem cells; function of stem cells; cloning of stem cells; adult bone marrow; meristem tissue in plants; diabetes and paralysis; risks of stem cells

**Key vocabulary**

Stem Cell – A cell that can differentiate to become a different type of cell

Cell differentiation – When a stem cell changes to become a specialised cell e.g. red blood cell

**Key facts-**



**Possible homework tasks I Stretch & challenge (wider reading/independent work)**

H/W: including project, Kerboodle, Kahoot, Exam Pro Stretch: modelling tasks, Biological Science Review research, Oxford Uni