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</table>
| 1    | 23 Jan - 27 Jan | Student Free Days (17/01 – 20/01) | **Thursday 26th – Australia Day Public Holiday**  
12 Biology Orientation  
Fertilisation in various organisms  
Reproductive strategies (asexual, dispersal in large numbers, internal foetus)  
**Contact your teacher in response to 'Welcome Email'**  
Course orientation Quiz  
Possible goals after year 12                                                                 |                                                                        |
| 2    | 30 Jan - 3 Feb | Reproduction                   | Human male organs and hormones  
Human female organs, hormones and cycle  
Snr Sec Orientation (Wed 1/2)  
**Revision Quiz x 2 (formative)**  
Hormones, Spermatogenesis, menstrual cycle                                                                 |                                                                        |
| 3    | 6 Feb - 10 Feb | Reproduction                   | Contraception  
Embryo Development  
PGD  
Pregnancy & Hormones  
Birth Hormones  
Swimming carnival (Fri 10th)  
A Taste of French at UQ (Fri 10/2)  
A Taste of German at UQ (Fri 10/2)  
**Revision Quiz x 2 (formative)**  
Hormones, Spermatogenesis, menstrual cycle                                                                 |                                                                        |
| 4    | 13 Feb - 17 Feb | Goal setting                   | Goal setting  
Meiosis  
National Apology Day (Thurs 16/2)  
**Goal Setting due 13/2**                                                                                         |                                                                        |
| 5    | 20 Feb - 24 Feb | Infectious Disease & Immunity | Causes of Diseases. Case studies of infectious diseases  
Legal Studies Court Visit (Weds 22/2)  
Bacteria, Viruses, Lines of defence, Lymphocytes  
**Revision Quiz x 2 (formative)**  
Bacteria, Viruses, Lines of defence, Lymphocytes, Acquired Immunity                                                                 |                                                                        |
| 6    | 27 Feb - 3 Mar | Infectious Disease & Immunity | Human Immune system  
Antibiotics/Vaccination/Quarantine  
Case studies of disease control  
Discovery Centre Day (Weds 1/3)  
**Revision Quiz x 2 (formative)**  
Bacteria, Viruses, Lines of defence, Lymphocytes, Acquired Immunity                                                                 |                                                                        |
| 7    | 6 Mar - 10 Mar | EEI Selection                   | Investigating Biology  
EEI Background research leading to Choice of Topic and experiment plan  
VET – Moreton Island QCE Years 11 & 12 – (Tues 7/3 – Thurs 9/3)  
**Short answer Practice Test (formative)**  
EEI experiment plan and Risk Assessment due                                                                 |                                                                        |
| 8    | 13 Mar - 17 Mar | Revision & Assessment          | Revision reproduction & disease  
How to answer EBI  
Student engagement pre extracurricular days (Tue 14/3 – Wed 15/3)  
**Reproduction/Infectious Disease/Immunity (Exam)**                                                                 |                                                                        |
| 9    | 20 Mar - 24 Mar | EEI                           | Unofficial Exam Block: Monday → Wednesday  
French Film Festival (Thu 23/3)  
**Blackboard Journal: Explain reasons for alterations to initial testing method**                                                                 |                                                                        |
| 10   | 27 Mar - 31 Mar | EEI                           | EEI Initial testing, adjustments to final method  
QCS Practice (Wed 29th – Fri 31st)  
Friday – reporting deadline  
**Blackboard Journal: Explain reasons for alterations to initial testing method**                                                                 |                                                                        |

Public Holidays: Australia Day - Thursday 26th January; Good Friday - Friday 14th April
School Holidays: Friday 31st March – Monday 17th April
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**Classwork**: Class work send in

**Checkpoint or Draft**: Checkpoint or Draft

**Summative Assessment**: Summative Assessment

### Week 1
**Dates**: Tuesday 18 Apr - 21 Apr  
**Topic**: EEI Further background research, Referencing  
Hypothesis. Initial testing, adjusting method, collaborating to share suggested alterations  
**Extended Experimental Investigation**: Year 10-12 QSO Education Concert: The Grand Tannhauser (Thu 20/4)

**Week 2**
**Dates**: 24 Apr - 28 Apr  
**Topic**: EEI data collection & analysis  
Practice Displaying, Analysing & Discussing data  
Complete EEI draft  
**Extended Experimental Investigation**: Parent teacher Interviews (Thu 27/4)  
French Immersion Day (Fri 28/4)

**Week 3**
**Dates**: 1 May - 5 May  
**Topic**: Example scientific reports  
Practice Displaying, Analysing & Discussing data  
Complete EEI draft  
**Extended Experimental Investigation**: Spanish fiesta Day (Thu 4/5)  
P-12: Cross Country (Friday 5/5)

**Week 4**
**Dates**: 8 May - 12 May  
**Topic**: Discuss EEI progress & findings with your teacher if not on camp  
Senior Camp (Mon 8/5 – Friday 12/5)

**Week 5**
**Dates**: 15 May- 19 May  
**Topic**: Discuss Teacher feedback on EEI draft  
Respond to feedback and complete EEI final report.  
Thursday 16th May QCS Workshop  
German Senior Activity Day (Friday 19/5)

**Week 6**
**Dates**: 22 May - 26 May  
**Topic**: START Extended Response Task (Assignment):  
Disease Analysis  
Infectious Disease  
Statistics  
**Extended Experimental Investigation**: Intracranial Activity Day (Thu 25/5)

**Week 7**
**Dates**: 29 May - 2 June  
**Topic**: Exam block year 11/12 starts – (Thu 1/6 – Wed 7/6)  
Year 12 Music Extension Workshop – Week Starting (29/5)

**Week 8**
**Dates**: 5 June - 9 June  
**Topic**: Exam block year 11/12 starts – (Thu 1/6 – Wed 7/6)  
QCS Practice (8th – 9th June)

**Week 9**
**Dates**: 12 June - 16 June  
**Topic**: ERT: Disease Analysis  
Credible information sources.  
Referencing  
**Extended Experimental Investigation**: Friday - Deadline for reports to HoD (Teachers)

**Week 10**
**Dates**: 19 June - 23 June  
**Topic**: Start Genetics:  
Read note to students (above unit plan in blackboard)  
Proteins are derived from DNA  
Wednesday - Reports to HoS (HODs)

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**Public Holidays**:  
Easter Monday 17th April. Tuesday 25th April Anzac Day. Monday 1st Labour Day Public Holiday

**School Holidays**: Saturday 24 June – Sunday 9th July
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| 1    | 10 Jul - 14 Jul | Genetics | ERT: Respond to Teacher feedback on ERT Draft & submit ERT  
Genetics: Post Transcriptional Modification & Review transcription and translation.  
French Bastille Day – (Friday 14/07) | Pre-Lesson study quizzes | Class work send in |
| 2    | 17 Jul - 21 Jul | Genetics | Mutation causes alternate alleles which are independently assorted and inherited according to Mendel’s ratio.  
Year 12 Music Extension workshop – Week beginning 17 July  
BSDE Mid-Year Snr Sec Orientation Day (Friday 21/7) | Pre-Lesson study quizzes | |
| 3    | 24 Jul - 28 Jul | Genetics | When gene inheritance does not follow Mendel’s ratios.  
Designing a ‘Test Cross’.  
Athletics Carnival (Fri 28/7)  
Parent Teacher Interviews (25/7)  
NAIDOC DAY (Thu 27/7)  
Student engagement pre extracurricular days (Mon 24/7 – Tues 25/7)  
Chinese Culture Day (28/07) | Pre-Lesson study quizzes | |
| 4    | 31 July - 4 Aug | Genetics | Predicting ratios of inheritance of 2 genes on different or linked on the same chromosomes.  
Using ratios of inheritance for chromosome mapping.  
Analysing pedigree diagrams for mode of inheritance including sex linked genes.  
QTAC Parent Evening 6pm – 7pm | Pre-Lesson study quizzes | |
| 5    | 7 Aug - 11 Aug | Genetics | Practice analysing pedigree diagrams for mode of inheritance.  
Genetically Modified Organisms.  
Gene editing using CRISPR.  
Ethics of gene editing. | Pre-Lesson study quizzes | |
| 6    | 14 Aug - 18 Aug | Genetics Revision | Genetics Revision  
Ekka Holiday Wednesday 16th | Practice genetics questions.  
Edit Wiki: What I’d like genetics revision on  
Exam readiness confirmation | |
| 7    | 21 Aug - 25 Aug | Genetics Revision | Genetics Revision  
Genetics Exam | Supervised Exam | |
| 8    | 28 Aug - 1 Sep | Evolution | Start Evolution unit  
French Poetry Competition (Monday 28/8)  
QCS Workshop 3 – (Monday 28/8)  
QCS Test (Tuesday 29/8 & Weds 30/8) | TBA  
Under construction Mr Hadgelias & blackboard assistance from Mr Bowden | |
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### Year 12 Work Rate Calendar - Term 4 2017

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<tbody>
<tr>
<td>1</td>
<td>Tuesday 3 Oct - 6 Oct</td>
<td>Evolution</td>
<td>Queen’s Birthday Holiday [Monday 2nd]</td>
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<tr>
<td>2</td>
<td>9 Oct - 13 Oct</td>
<td></td>
<td>Octoberfest (Thursday 12/10)</td>
</tr>
<tr>
<td>3</td>
<td>16 Oct - 20 Oct</td>
<td>Evolution</td>
<td>[Senior Formals] [Monday 17th] Japanese Restaurant Visit (Friday 20/10)</td>
</tr>
<tr>
<td>4</td>
<td>23 Oct - 27 Oct</td>
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</tr>
<tr>
<td>5</td>
<td>30 Oct - 3 Nov</td>
<td></td>
<td>Monday → Friday: Yr 12 Exam block (31/10 – 3/11)</td>
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<tr>
<td>6</td>
<td>6 Nov - 10 Nov</td>
<td></td>
<td>8 November Last day for results in spreadsheets and R6’s exit completed</td>
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<tr>
<td>7</td>
<td>13 Nov - 17 Nov</td>
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<td>Senior Formal – Friday 17/11 (Awards day 18/11) Year 12 finish Friday 17 November</td>
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<tr>
<td>8</td>
<td>20 Nov - 24 Nov</td>
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### Public Holidays: Labour Day - Monday 3rd October, Student Free Day - Monday 17th October

### School Holidays: Saturday 9th December – Monday 22nd January 2017