

IB Biology		Per 1			1/20-1/24	
Unit/Theme		Objectives	Activities	Homework	Closure/Review	Assessment
M	No School MLK Day	No School MLK Day	No School MLK Day	No School MLK Day	No School MLK Day	No School MLK Day
O						
N						
T	3.5 Genetic modification and biotechnology	<ul style="list-style-type: none"> Gel electrophoresis is used to separate proteins or fragments of DNA according to size. PCR can be used to amplify small amounts of DNA. DNA profiling involves comparison of DNA. Genetic modification is carried out by gene transfer between species. Clones are groups of genetically identical organisms, derived from a single original parent cell. Many plant species and some animal species have natural methods of cloning. 	<ul style="list-style-type: none"> Turn in DNA Fingerprint Lab Lab: Transformation <ul style="list-style-type: none"> *Observe Colonies *Answer Lab Questions 	<ul style="list-style-type: none"> Transformation Lab Due Test on Biotechnology and Genetic Modification 	<ul style="list-style-type: none"> Cloning Lab Write-up 	<ul style="list-style-type: none"> Short answer Mark scheme Transformation Lab
U						
E						
S						
W	Same as A Day	Same as A Day	Same as A Day	Same as A Day	Same as A Day	Same as A Day
E						
D						
T	Internal Assessment	<ul style="list-style-type: none"> Practice research skills Utilize communication skills Demonstrate thinking skills Practice social skills Utilize self-management skills 	<ul style="list-style-type: none"> Test: Biotechnology and Genetic Modification Use Mark scheme to score short answers from test Begin Internal Assessment <ul style="list-style-type: none"> *Create safety protocols *Keep track of all data *Revise Lab (as needed) *Test run protocol 	<ul style="list-style-type: none"> Work on IA Write-up Refer to Criteria and checklist often 	<ul style="list-style-type: none"> IA Criteria 	<ul style="list-style-type: none"> Internal Assesment
H						
U						
R						
S						
F	Same as A Day	Same as A Day	Same as A Day	Same as A Day	Same as A Day	Same as A Day
R						
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