



Science Grade 9 Life Science: Reproduction and Human Development (RE)					
Outcome		1 – Little Evidence With help, I understand parts of the simpler ideas and do a few of the simpler skills.	2 – Partial Evidence I understand the simpler ideas and can do the simpler skills. I am working on the more complex ideas and skills.	3 – Sufficient Evidence I understand the more complex ideas and can master the complex skills that are taught in class. I achieve the outcome.	4- Extensive Evidence I have a deep understanding of the complex ideas, and I can use the skills I have learned in situations that were not taught in class.
RE9.1 Examine the process of and influences on the transfer of genetic information and the impact of that understanding on society past and present.	Process of transfer of genetic information	<ul style="list-style-type: none"> • With help, I can differentiate chromosomes, genes, and DNA. 	<ul style="list-style-type: none"> • I can differentiate chromosomes, genes, and DNA. 	<ul style="list-style-type: none"> • I can describe the process of the transfer of genetic information in humans and other living things. 	<ul style="list-style-type: none"> • I can apply the understanding of process of the transfer of genetic information in humans and other living things to my own family or other specific context.
	Influences on the transfer of genetic information	<ul style="list-style-type: none"> • With help, I can identify some of the factors that might influence the transfer of genetic information. 	<ul style="list-style-type: none"> • I can identify some of factors that might influence the transfer of genetic information. 	<ul style="list-style-type: none"> • I can explain many factors that might influence the transfer of genetic information. 	<ul style="list-style-type: none"> • I can weigh the importance of the factors that might influence the transfer of genetic information, and support my position.
	Impact of that understanding	<ul style="list-style-type: none"> • With help, I can explain the impact of the understanding of the transfer of genetic information on society past OR present, with some detail. 	<ul style="list-style-type: none"> • I can explain the impact of the understanding of the transfer of genetic information on society past OR present, with some detail. 	<ul style="list-style-type: none"> • I can explain the impact of the understanding of the transfer of genetic information on society past AND present, with examples and detail. 	<ul style="list-style-type: none"> • I can predict the impact of the understanding of the transfer of genetic information on society in the future, with examples and detail.
Comments					



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RE9.2 Observe and describe the significance of cellular reproductive processes, including mitosis and meiosis.	Observation of the process	<ul style="list-style-type: none"> With help, I can communicate my observations of the stages of cellular reproductive processes, both mitosis AND meiosis. 	<ul style="list-style-type: none"> I can communicate my observations of the stages of cellular reproductive processes, both mitosis AND meiosis. 	<ul style="list-style-type: none"> I can describe my observations of the stages of cellular reproductive processes, both mitosis AND meiosis. 	<ul style="list-style-type: none"> I can make connections between cellular reproductive processes such as mitosis and meiosis and scientific issues such as cancer.
	Significance	<ul style="list-style-type: none"> With help, I can outline a few reasons why cellular reproductive processes, including mitosis and meiosis, are important. 	<ul style="list-style-type: none"> I can outline several reasons why cellular reproductive processes, including mitosis and meiosis, are important. 	<ul style="list-style-type: none"> I can explain in detail many reasons why cellular reproductive processes, including mitosis and meiosis, are important. 	<ul style="list-style-type: none"> I can categorize the reasons why cellular reproductive processes, including mitosis and meiosis, are important, and draw conclusions from that process.
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RE9.3 Describe the processes and implications of sexual and asexual reproduction in plants and animals.	Processes	<ul style="list-style-type: none"> I can describe a few processes of sexual OR asexual reproduction in plants and animals. 	<ul style="list-style-type: none"> I can describe a few processes of sexual AND asexual reproduction in plants and animals. 	<ul style="list-style-type: none"> I can describe several processes of sexual and asexual reproduction in plants and animals. 	<ul style="list-style-type: none"> I can compare the various processes of sexual and asexual reproduction in plants and animals.
	Implications	<ul style="list-style-type: none"> I can describe some implications of sexual OR asexual reproduction of plants and animals. 	<ul style="list-style-type: none"> I can describe some implications of sexual AND asexual reproduction of plants and animals. 	<ul style="list-style-type: none"> I can describe several implications of sexual and asexual reproduction of plants and animals, with specific examples and detail. 	<ul style="list-style-type: none"> I can accurately describe the implications of sexual and asexual reproduction, and evaluate their effectiveness on the populations of plants and animals, with specific examples and detail.
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RE9.4 Analyze the process of human reproduction, including the influence of reproductive and contraceptive technologies.	<ul style="list-style-type: none"> • With help, I can outline the major stages of human reproduction. 	<ul style="list-style-type: none"> • I can outline the major stages of human reproduction. 	<ul style="list-style-type: none"> • I can describe the major stages of human reproduction. 	<ul style="list-style-type: none"> • I can accurately describe and represent the entire process of human reproduction including the stages of human development from conception to birth.
	<ul style="list-style-type: none"> • With help, I can describe some influences of reproductive OR contraceptive technologies on human reproduction. 	<ul style="list-style-type: none"> • I can describe some influences of reproductive OR contraceptive technologies on human reproduction. 	<ul style="list-style-type: none"> • I can explain the influences of reproductive AND contraceptive technologies on human reproduction, with detail. 	<ul style="list-style-type: none"> • I can defend a position on ONE controversy regarding reproductive or contraceptive technologies that challenges social and cultural norms, with support in examples, details, and statistics.
Comments				