

TESL 3010

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English for Microbiologists

Unit	Topic	Key Vocabulary	Listening & Speaking goals	Reading & Writing goals	Grammar Focus	Resources	Target Task
1	The Scientific Method and Lab equipment	<ul style="list-style-type: none">• Introduction to basic vocabulary related to biology and the scientific method• Hypothesis• Problem• Procedure• Analyze• Conclusion• Experiment• Conclusion• Evaluation• Positive• Negative• techniques• Microscope• Beaker• Test Tube• Bunsen Burner• Safety Glasses• Centrifuge• Laboratory	<ul style="list-style-type: none">• To be able to identify and communicate main ideas• To be able to listen for specific information• To be able to use new vocabulary in speech.	<ul style="list-style-type: none">• To be able to write sentences.• To be able to read basic instructions.• To be able to use new vocabulary in sentences.	<ul style="list-style-type: none">• Sentence structure• Modals of certainty• Modals of necessity• Review simple verb tenses• Review progressive verb tenses	N/A	<ul style="list-style-type: none">• Using sentences design a scientific experiment using the scientific method.• Start vocabulary journal

2	Characteristics of Living Things	<ul style="list-style-type: none"> • Respiration • Sensitivity • Reproduction • Excretion • Nutrition • Environment • Movement • Classification • Kingdom • Order • Phylum • Class • Family • Genus • Species 	<ul style="list-style-type: none"> • To be able to listen for main ideas. • To be able to take notes in class. • To be able to correctly use articles in speech. 	<ul style="list-style-type: none"> • To be able to read a text and identify the key points. • To be able to write sentences using modals of necessity. • To be able to write a short paragraph. • To be able to take notes in class. • To be able to scan a text for specific information. • To be able to correctly use articles in writing. 	<ul style="list-style-type: none"> • Articles • Capitalization and punctuation • Paragraph structure • Perfect verb tenses 	Pacemaker chapter 2	<ul style="list-style-type: none"> • Write a short paragraph using modals of necessity to describe the characteristics of living things.

3	Cell Structure and Function	<ul style="list-style-type: none"> • Nucleus • Cell membrane • Ribosomes • Mitochondria • Lysosome • Genes • Plasma membrane • Golgi apparatus • Cited • 	<ul style="list-style-type: none"> • To be able to express an opinion and provide reasons. • To be able to ask questions. • Use new vocabulary in speech. 	<ul style="list-style-type: none"> • To be able to identify clauses and phrases. • To be able to write sentences using clauses and phrases. • Be able to cite articles. 	<ul style="list-style-type: none"> • Adjective clauses • Adverb clauses • The comma • Progressive perfect verb tenses. 	Pacemaker chapter 3 TRU library guide	<ul style="list-style-type: none"> • Vocabulary Quiz #1 • Vocabulary Journal Due • Write two paragraphs about cell structure using clauses and cite all information using CSE.
4	Cells and Energy	<ul style="list-style-type: none"> • Chlorophyll • Photosynthesis • Energy • Chloroplast • Glucose • Chlorophyll • Instructions 	<ul style="list-style-type: none"> • To be able to follow verbal instructions. • To be able to ask clarification questions while doing a task. 	<ul style="list-style-type: none"> • To be able to follow written instructions. • To be able to write instructions using imperatives and passive voice. • To be able to draft a multi- 	<ul style="list-style-type: none"> • Imperatives • Noun clauses • Passive voice 	Pacemaker CH 4 Pacemaker CH 4 lab activity: Getting Chlorophyll from spinach.	<ul style="list-style-type: none"> • Scientific Research Paper Draft #1 due • Students will perform a simple scientific experiment by following written instructions. • Students will write instructions using imperatives.

				paragraph paper.			
5	Genetics and Simple Organisms	<ul style="list-style-type: none"> • Allele • Genes • Dominant • Recessive • Genotype • Phenotype • Bacteria • Archaea • Protists • Fermentation 	<ul style="list-style-type: none"> • To be able to give short informal presentations . • To be able to discuss a figure or a table. 	<ul style="list-style-type: none"> • To be able to make a detailed outline or summary of the contents in the chapter. • Write a paragraph describing a figure or a table. 	<ul style="list-style-type: none"> • Review all clauses • Conditionals 	Pacemaker Ch 5 Pacemaker Ch 6	<ul style="list-style-type: none"> • Vocabulary Quiz #2 • Write a paragraph describing a figure or table in the textbook. • Describe a figure or a table from the textbook in a short informal presentation.
6	How to do a formal Presentation and Student Presentations	<ul style="list-style-type: none"> • Overall • Comments • Demonstrate • Sufficient • Constraints • Summary • Statistics • Accurate • Conclusion 	<ul style="list-style-type: none"> • To be able to ask classmate questions and express opinions. • To be able to use academic words in a presentation. • Students will be able to do short formal presentations . • To be able to use academic words to ask questions. 	<ul style="list-style-type: none"> • To be able to use high frequency academic words in writing. • To be able to understand academic words in literature. 	<ul style="list-style-type: none"> • Review sentence structure, modals, punctuation, clauses, imperatives and passive voice. • Go over any new grammar points students are struggling with. 	N/A	<ul style="list-style-type: none"> • Scientific Paper due • Research Presentations due • Vocabulary Journal due

