

MITA International School Syllabus 2019

三田国際学園中学校・高等学校 2019年度 シラバス

Grade Level / Course 学年 / コース	J1	Subject Area / Class 教科 / 科目	Science: Life Science	Class hours 時間数	4時間/週
1学期 中間試験 Term 1 Midterm					
Name of Unit, Project 単元名	Nature of Science : Structure and Function	Textbooks / Materials 使用教科書 / 教材	Glencoe Life iScience		
Unit Description 単元の概要	Scientific Explanations				
Unit Standards 本単元の内容と評価規準					Others 備考
楽	A3	B3 Given any combination, be able to predict inheritance of genes.	C3 Be able to construct testable hypothesis, follow procedures and analyze data for cohesive conclusions.	<ICT・Creation> Utilize iPads, related technology and laboratory equipment in tandem with one another in relation with concepts from class. Various models will be created to communicate concepts. Experiments will be created to explore concepts.	
好	A2 Understand the environment affects the adaptations living organisms obtain..	B2 Understand and explain basic differences between theory and hypothesis. Understand there is a systematic way of classifying organisms.	C2		
知	A1 Understand all related vocabulary and be able to use on a basic level.	B1 Understand there is a method behind scientific procedures.	C1 Have ideas for models.		
	Recognition	Logical Thinking	Creative Thinking		

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Grade Level / Course 学年 / コース	J1	Subject Area / Class 教科 / 科目	Science: Life Science	Class hours 時間数	4時間 / 週
1学期 期末試験 Term 1 Final					
Name of Unit, Project 単元名	From Bacteria to Plants	Textbooks / Materials 使用教科書 / 教材	Glencoe Life iScience		
Unit Description 単元の概要	Bacteria and viruses, protists and fungi, plant diversity, processes and reproduction.				
Unit Standards 本単元の内容と評価規準					Others 備考
知	A1 Understand all related vocabulary and be able to use on a basic level.	B1	C1	<ICT・Creation> Utilize iPads, related technology and laboratory equipment in tandem with one another in relation with concepts from class. Various models will be created to communicate concepts. Experiments will be created to explore concepts.	
好	A2	B2	C2		
楽	A3 Understand photosynthesis and cellular respiration are essential to life on Earth.	B3	C3 Given any combination, be able to predict, explain, and present inheritance of genes.		
Recognition		Logical Thinking		Creative Thinking	

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2学期 中間試験 Term 2 Midterm

Name of Unit, Project 単元名	Animals	Textbooks / Materials 使用教科書 / 教材	Glencoe Life iScience
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Unit Description 単元の概要	Animal diversity, structure and function, behavior and reproduction.
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Unit Standards 本単元の内容と評価規準			Others 備考
楽	A3	B3 Create the steps of an experiment in order to test an original hypothesis. Accurately interpret data and communicate results effectively.	<ICT・Creation> Utilize iPads, related technology and laboratory equipment in tandem with one another in relation with concepts from class. Various models will be created to communicate concepts. Experiments will be created to explore concepts.
好	A2	B2 Be able to classify animals based on characteristics	
知	A1 Recognize the characteristics all animals have.	B1 Understand what defines an animal.	
	Recognition	Logical Thinking	Creative Thinking

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2学期 期末試験 Term 2 Final

Name of Unit, Project 単元名	Body Systems	Textbooks / Materials 使用教科書 / 教材	Glencoe Life iScience
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Unit Description 単元の概要	Structure and movement, immunity and disease, life processes.
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Unit Standards 本単元の内容と評価規準				Others 備考
楽	A3	B3	C3 Create and implement an experiment designed to test the function of a bodily structure.	<ICT・Creation> Utilize iPads, related technology and laboratory equipment in tandem with one another in relation with concepts from class. Various models will be created to communicate concepts. Experiments will be created to explore concepts.
好	A2 Understand the function of different parts of the body.	B2	C2	
知	A1	B1 Recognize how body systems interact.	C1	
	Recognition	Logical Thinking	Creative Thinking	

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Grade Level / Course 学年 / コース	J1	Subject Area / Class 教科 / 科目	Science: Life Science	Class hours 時間数	4時間 / 週
3学期 期末試験 Term 3 Final					
Name of Unit, Project 単元名	Interactions of Life	Textbooks / Materials 使用教科書 / 教材	Glencoe Life iScience		
Unit Description 単元の概要	The interactions of living and nonliving parts of the environment.				
Unit Standards 本単元の内容と評価規準					Others 備考
察	A3	B3	C3 Create models to accurately depict the natural cycles of the Earth and its inhabitants.	<ICT・Creation> Utilize iPads, related technology and laboratory equipment in tandem with one another in relation with concepts from class. Various models will be created to communicate concepts. Experiments will be created to explore concepts.	
好	A2	B2 Evaluate competing design solutions using a systematic process to determine how well they meet the criteria and constraints of the problem.	C2		
知	A1 Recognize the sources of energy in the environment and how producers and consumers interact.	B1	C1		
	Recognition	Logical Thinking	Creative Thinking		