

ASSESSMENT DESCRIPTION

	Assessment Details
Course Code	ECE 3213
Course Name	TEACHING SCIENCE IN EARLY CHILDHOOD
Course Teacher	Marwa Eltanahy
Assessment Strategy	Course Work – Oral Presentation
Assessment Description	In this assessment task, you will be required to work with a partner/group and develop a 10-15-minute presentation about Play- based learning activities in science that you have applied during TP weeks. Through the assessment, you will demonstrate your understanding of the several types of inquiry and explain the key features of Inquiry-based Learning (IBL) to your colleagues.
Instructions Success Criteria:	 10 to 15-minute presentation with a partner You should implement 1-2 IBL activities in your science class during TP, to be presented in class. Your presentation should include the following: Summarize the (Play-based learning activity (s) you applied in an inquiry context for ECE Science class discussing their use/applications, implementation, advantages/disadvantages. Compare the main features of the IBL activities you applied. Explain how can you change the type of inquiry learning applied in any of these activities to be more advanced and more engaging to students. Use creative methods to design and present IBL activities Attach pictures from your class to show students' work Use appropriate design formatting and organization of your presentation to meet the task requirements.
CLOs	CLO3 Implement developmentally appropriate, play-based science activities which address commonly held misconceptions in young children. CLO4 Compare the diverse levels of inquiry.
NAEYC Competencies	4b, 5a
TELS-ECE Elements	3.1, 3.2, 4.1, 5.1
Weighting	30%
Duration/Word Limit	10-15 min
Submission Week	12
Grading Criteria	Your grade will be determined using the relevant criteria from the attached Analytic Rubric.
Late Penalty	Unless special circumstances are agreed with the course teacher regarding late submission, work submitted 1 working day late will be deducted 10%, 2 days late 20%, 3 days late 30% and any work submitted more than 3 days late will get a zero mark.



Academic Honesty	Breaches of Academic Honesty will be treated with the utmost seriousness. You are reminded the penalties for cheating or plagiarism include dismissal from the HCT.
	(for more information please refer to <u>Academic and Student</u> <u>Regulations</u> , <u>HCT Academic Honesty Policy</u> , <u>Student Handbook</u>)

ASSESSMENT COVER PAGE

Course Name	TEACHING SCIENCE IN EARLY CHILDHOOD	Course Code	ECE 3213
Instructor Name	Marwa Eltanahy	CRN	
Task Title			
Due Date		Date Submitted	

Student Name	
Student ID	

	Final Grade	
General Comments		

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(for more information please refer to <u>Academic and Student Regulations</u>, <u>HCT Academic Honesty</u> <u>Policy</u>, <u>Student Handbook</u>)

Student Declaration:

This assignment is entirely my own work except where I have duly acknowledged other sources in the text and listed those sources at the end of the assignment. I have not previously submitted this work to the HCT. I understand that I may be orally examined on my submission.



GRADING ANALYTIC RUBRIC

						ACHIE	VEMENT IN	DICATORS					
GRADING/ MARKING CRITERIA	Achieve Signific below o require. Assessme nt has not been submitted at all, is not- existent or not carried out	require cantly course	at does not meet ements Achievement that narrowly fails to meet the requirements		nt that minima burse requirem	•		ment that sati he course requ	• •	significantl	ent that is y above the uuirements	Achievement that is outstanding relative to the course requirements	
GPA Range		0 -	0.99		1.0 - 1.99			2.0 – 2.99		3.0 -	3.69	3.7	- 4.0
Letter Grade	F			D	D+	C-	С	C+	B-	В	B+	A-	A
Gradebook Percentage	0 -2	29	30 - 59	60 – 63	64 – 66	67 – 69	70 – 73	74 – 76	77 – 79	80 – 83	84 – 86	87 – 89	90 - 100
GPA		()	1.0	1.3	1.7	2.0	2.3	2.7	3.0	3.3	3.7	4.0
CONTENT AN	D KNOW	LEDGE (CRITERIA – 20%										
Attention to Purpose and Questions Addresses the	Does not a the questic and/or assignmer	on	Displays some knowledge but is not linked to the questions in the assignment/task	•	ress the questions, ome misunderstan		Makes a sound attempt at addressing questions. Some minor digression or misunderstanding			Addresses the p questions clear		Addresses the questions clearly, systematically, and comprehensively.	
purpose and questions related to the assignment/ task for the presentation (Presents two play-based	assignment task '		Represents an extremely limited attempt that presents general explanation of the inquiry- based activities	Represents a limited attempt that provides general explanation of the inquiry- based activities presented	Represents a developing attempt that provides general explanation of the inquiry- based activities presented with insufficient	Represents an improved attempt that provides some specific explanations of at least one Inquiry- based	Represents an adequate attempt that provides fair explanation of at least one Inquiry-based activity with insignificant digressions	Represents a satisfactory attempt that provides some meaningful explanation of at least one Inquiry-based activity with insignificant	Represents a good presentation addressing two inquiry- based learning activities with sufficient details and	Represents a very good presentation addressing two inquiry- based learning activities with sufficient details and	Represents an excellent presentation addressing two inquiry- based learning activities systematicall y and	Represents an outstanding presentation addressing two inquiry-based learning activities systematically and comprehensivel	



learning activities to address scientific misconception in ECE) 25% NAEYC Competencies: 4b, 5a TELS-ECE Elements: 3.1, 3.2, 4.1, 5.1 CLOS 3,4	evidence-based reflection	digressions and/ or inaccuracies	presented with no evidence and frequent digressions and/or inaccuracies of most of the criteria of the presentation	with little evidence and clear digressions and/or inaccuracies for many of the criteria of the presentation	evidence and noticeable digressions and/or inaccuracies of more than half of the criteria	activity with some relevant evidence despite some digressions and/or misundersta nding for some features of IBL	and/or misunderstan dings of a few features of IBL	digressions and/or inaccuracies for one feature of IBL	only minor digressions and/or inaccuracies.	only minor inaccuracies or omissions	comprehensi vely with almost no inaccuracies.	y with full accuracies
Depth of subject knowledge Displays knowledge of	Fails to include any relevant knowledge	Displays significant gaps in knowledge and/or misunderstanding of facts, terminology, and theory.		w some understan limited relevant te ct knowledge		Demonstrates factual/conceptual understanding and appropriate terminology with minor omissions.			Demonstrates th subject knowled		Demonstrates the depth of subject knowledge clearly, systematically, and comprehensively	
topic/subject/the ory including range, depth, and accuracy of subject. (Understands diverse types of IBL presented through theoretical/pract ical knowledge of two play-based activities) 20% NAEYC Competencies: 4b, 5a TELS-ECE Elements: 3.1, 3.2, 4.1, 5.1	No attempt or submitted work and shows almost no knowledge of the main types of IBL its activities in ECE science classes.	Demonstrates some significant gaps in knowledge related to the main types of IBL and its activities in ECE science classes. No use of theoretical/practica I knowledge	Demonstrates insufficient understandin g of the main types of IBL and its activities in ECE science classes. No theoretical evidence used.	Demonstrates basic understandin g of the main types of IBL and its activities in ECE science classes. Little theoretical evidence used to support understanding	Demonstrates developing understanding of the main types of IBL and its activities in ECE science classes. Little theoretical and practical evidence used to support understanding	Demonstrate an s improved understandi ng of the main types of IBL and its activities in ECE science classes. Limited theoretical evidence used to support understandi ng	Demonstrates an adequate understandin g of the main types of IBL and its activities in ECE science classes. Some theoretical and practical evidence used to support understanding	Demonstrates satisfactory understandin g of the main types of IBL and its activities in ECE science classes. Some theoretical and practical evidence/exa mples used to support knowledge claims. There are some omissions.	Demonstrates good depth of knowledge of the main types of IBL and its activities in ECE science classes. Some theoretical and practical evidence/exa mples used to support knowledge claims. However, there are only minor inaccuracies.	Demonstrates accomplished and very good depth of subject knowledge of the main types of IBL and its activities in ECE science classes. Includes theoretical and practical evidence/exa mples used to support knowledge claims. There are limited	Demonstrate excellent depth of subject knowledge of the main types of IBL and its activities in ECE science classes. Includes theoretical and practical evidence/ex amples used to support knowledge claims. There are no errors and omissions.	Demonstrates an outstanding depth of subject knowledge. Systematic, and comprehensive knowledge of the main types of IBL and its activities in ECE science classes, disadvantages/ advantages of different IBL types which includes theoretical evidence and practical examples to support claims.



CLOs 3,4 Depth of Analysis Demonstrates solid understanding of	Fails to show critical thinking or analysis.	Demonstrates very limited critical thinking or analysis to compare and contrast alternative positions	Demonstrates limited critical thinking or analysis to compare and contrast alternative positions		analysis to com	some critical think apare and contrast or generate argun	t alternative	Demonstrates cr and/or analysis contrast alterna and/or generate inferences citing support their pos	to compare and tive positions, arguments or evidence to	Demonstrates critical thinking and/or analysis to compare and contrast alternative positions clearly, coherently, appropriately. Arguments and/or inferences are clear and comprehensive			
the problem or situation, considering relevant facts and evidence of critical thinking (Compare and explain the main characteristics, advantages, and disadvantages of diverse types of IBL). 15% NAEYC Competencies: 4b, 5a TELS-ECE Elements: 3.1, 3.2, 4.1, 5.1 CLOS 3,4	No attempt or has not submitted work; provides no evidence of analysis of the characteristics, advantages, and disadvantages of main types of IBL and its activities in ECE science classes.	Demonstrates extremely limited critical analysis of the characteristics, advantages, and disadvantages of main types of IBL and its activities in ECE science classes.	Demonstrates limited analysis and no explanation of the characteristics , advantages, and disadvantages of main types of IBL and its activities in ECE science classes.	Demonstrates limited analysis of and inaccurately explained the characteristics , advantages, and disadvantages of main types of IBL and its activities in ECE science classes.	Demonstrates developing analysis and extremely limited explanation of the characteristics, advantages, and disadvantages of main types of IBL and its activities in ECE science classes.	Demonstrat es improved analysis and limited explanation of the characteristi cs, advantages, and disadvantage s of main types of IBL and its activities in ECE science class, although there are minor omissions, and some inaccuracies	Demonstrates adequate critical analysis and some explanation of the characteristics , advantages, and disadvantages of main types of IBL and its activities in ECE science class, there are no omissions, but a few inaccuracies.	Demonstrates satisfactory critical analysis and below average explanation of the characteristics , advantages, and disadvantages, and disadvantages of IBL and its activities in ECE science class, there are no omissions, but a few inaccuracies.	Demonstrates good critical analysis and average explanation of the characteristics , advantages, and disadvantages of main types of IBL and its activities in ECE science class, there are no omissions, but minor inaccuracies	Demonstrates a very good critical analysis and above average explanation of the characteristics , advantages, and disadvantages, and disadvantages of IBL and its activities in ECE science class with no omissions or inaccuracies	Demonstrate s an excellent coherent, and appropriate critical analysis and very meaningful explanation of the characteristi cs, advantages, and disadvantages, and disadvantage s of main types of IBL and its activities in ECE science class. Supported by clear and comprehensi ve evidence and examples.	Demonstrates an outstanding, clear, coherent, and appropriate analysis of the characteristics, advantages, and disadvantages of main types of IBL and its activities in ECE science class. Excellent meaningful explanation supported by clear and comprehensive evidence and examples.	
LANGUAGE C											Domonstrato	avamplary	
Vocabulary	Does not use language conventions	Demonstrates a very limited use	Demonstrates conventions	a developing us	e of language	Demonstrates satisfactory use of language conventions			Demonstrates accomplished		Demonstrates exemplary use of language conventions in the writing		



(Vocabulary and		of language							language con	ventions with		
Mechanics) Demonstrates a developing use of Science Vocabulary (Proper use of scientific terminology, spelling, and punctuation) 10% NAEYC Competencies: 4b, 5a TELS-ECE Elements: 3.1, 3.2, 4.1, 5.1 CLOS 3,4	No attempt or fails to use corre- science vocabulary No attempt or fails to use punctuation correctly and spelling mistake impede understanding	range of correct science vocabu Demonstrates overall incorre use of full stop other punctuat	tt limited range lary of correct science vocabulary tt s and Demonstrate limited use of full stops and capital letters	a limited range of correct scien vocabulary Demonstrate some challenges with the use of full stops and capital letters, but other punctuation errors persist and spelling errors do not	developing range of correct scie vocabulary s Demonstra developing ability to correctly u of full stop and capital letters and question marks but t, other punctuatio errors pers and spellin	g s an improved range of science vocabular despite some misconcep os b Demonstr es improv use of punctuati and spellin in though sist, errors g persist, bu without much imp	an adequate range of correct science vocabulary despite some inaccuracies or Demonstrate adequate us of punctuation and spelling, ng and the committed errors have on only limited impact adenues	 a satisfactory range of correct science vocabulary Demonstrates satisfactory use of punctuation and spelling, and committed errors do not affect understanding 	Demonstrates a good use of correct science vocabulary Demonstrates overall good command of punctuation and spelling with only occasional non-intrusive errors which do not affect	nor digressions Demonstrates a very good use of conventions, and correct science vocabulary Demonstrates a very good command of punctuation and spelling with only occasional non-intrusive errors which do not affect meaning or understanding	Demonstrate Excellent use of science vocabulary and conventions Demonstrate s well- developed command of spelling and punctuation errors with rare non- intrusive errors which do not affect meaning or understandin g	Demonstrate Outstanding use of science vocabulary and conventions Demonstrates advanced command of spelling and punctuation with almost no errors
						ng						
PRESENTATIO Presentation Tool Presents work according to the requirement specified in the task instructions with the appropriate tool selected.	N – 20% Des Fails to present work according to the task instructions.	Presentation is disorganized, lacks appropriate support from visual tool, and barely meets the task instructions.	Y Minimally meets visua omissions and/or inac			Presentation of v some visual impa	vork is generally sat ct	isfactory and has	Presentation clear visual effect cover instructions to a g	ing the task	Presentation is a attractive, and a visual impact wh message.	-
Follows design and format assignment requirements including correct	Does not follow correct formatting	Demonstrates extremely inappropriate design and formatting	a very limited limit understanding und and ability to and meet design mer and formatting form	tedalerstandingurlability toaretmnattingfo	emonstrates developing nderstanding nd ability to eet ormatting equirements.	Demonstrates improved formatting, but there are some errors or and falls slightly below	Demonstrates adequate formatting with some errors or omissions, but meets most of	Demonstrates satisfactory formatting with some errors or omissions, but meets most of	Demonstrates good and correct formatting requirements with only minor	Demonstrates a very good and accomplished design formatting requirements	Demonstrates excellent design and formatting and meets the task requirements. There are very	Demonstrates outstanding design and formatting and organization and meets the task



use of technology to present information 10% NAEYC Competencies: 4b, 5a TELS-ECE Elements: 3.1, 3.2, 4.1, 5.1 CLOS 3,4			There are issues with use of headings, visuals, organization, formatting of slides, and neatness	There are issues with organization, use of visuals, formatting of slides, and neatness	There are issues with organization of slides and number of words on slides	the requirements due to organization, formatting, use of headings, visuals, and neatness of slides	the requirements. Few visuals used in the presentation.	the requirements. Some more effective visuals could be added.	digressions in the requirements which minimally impacts the overall effectiveness of the presentation	with only minor digressions in the requirement of the formatting of the slides, but this does not impact the overall effectiveness the presentation	minimal errors or omissions in the slides	requirements. There are no errors or omissions in the slides
Delivery Displays oral presentation skills considering spoken language, style, and audience engagement.	Fails to speak intelligibly resulting in a presentation that the audience cannot understand.	Delivery is disorganized with slow or fast speech resulting in some breakdown in communication.		intonation, vocabul on are minimally acc			intonation, vocabul n are satisfactory.	ary, grammar,	Pace, audibility, intonation, vocabulary, grammar, and pronunciation are good with a range of complexity attempted.		Pace, audibility, intonation, vocabulary, grammar, and pronunciation are accurately used with a range of complexity, which enhances the message significantly.	
Planning and preparing the delivery of the oral presentation; using communication skills, use of time, and participation of all members. 10% NAEYC Competencies: 4b, 5a	Fails to plan and deliver an oral presentation; using communication skills, use of time, and participation of all members.	Unsatisfactory delivery of the oral presentation demonstrates below average or poor communication skills. Substantially over/under the time limit to present and/or not all members presented. Complete lack of preparation was evident.	Ineffective in delivering the oral presentation, but demonstrates below average or poor communication skills. Over/under the time limit to present and/or not all members presented. Lack of preparation was evident	Somewhat effective in planning of the oral presentation, but demonstrates below average or poor communication skills. Slightly over/under the time limit to present and/or not all members presented. Lack of preparation was evident	Demonstrates a developing level of ability to plan and deliver an oral presentation using communication skills, use of time, and participation of all members. Planning was evident but more preparation and practice was needed.	Improved delivery of the oral presentation. However, demonstrated poor communication skills. Slightly over/under the time limit. Two or more members presented more than others. More preparation was needed.	Adequate delivery of the oral presentation demonstrating average communication skills. Slightly over/under the time limit. Two or more members presented more than others. More preparation was needed.	Satisfactory delivery of the oral presentation. However, members demonstrated satisfactory communication skills. Slightly over/under the time limit. Two or more members presented more than others. More preparation was needed	Good delivery of oral presentation demonstrating good communication skills and generally close to the time limit. All group members presented, but one member did not present as much. Preparation was evident for the most part.	Accomplished delivery of oral presentation demonstrating good communication skills and generally close to the time limit. All group members presented and preparation was evident for the most part.	Highly effective delivery of a well-polished oral presentation within the time limit. All group members presented equally and effectively. Preparation was strongly evident. Persuasive communication skills with minor language mistakes.	Outstanding delivery of a well-polished oral presentation within the time limit. All group members presented equally. Preparation was strongly evident. Strong communication skills.



TELS-ECE Elements: 3.1, 3.2, 4.1, 5.1 CLOS 3,4												
21 st CENTURY	LEARNING SI	KILLS - 10%										
Collaboration Shows suitable behavior for working with others and in diverse teams	suitable ior for ng with and in e teams Fails to collaborate minimal collaboration Demonstrates minimal collaboration collaboration				Demonstrates pro but requires some	oductive and positive guidance	ve collaboration	Demonstrates pro positive collaboro minimal guidance	ition with	Demonstrates initiative and respects team members. Contributes ideas and solutions to problems or conflict		
(Shows great effort in engaging to tasks, interacting with the partner, and giving substantial and quality contributions to the assessment.) 10% NAEYC Competencies: 4b, 5a TELS-ECE Elements: 3.1, 3.2, 4.1, 5.1	No attempt or records show failure to collaborate with others	Demonstrates minimal and ineffective collaboration only in response to the teacher's instruction	Demonstrates limited, inconsistent, and ineffective collaboration only in response to the teacher's instruction	Demonstrates limited and inconsistent collaboration usually in response to the teacher's instruction	Demonstrates developing ability to collaborate; insufficient and inconsistent collaboration usually in response to the teacher's instruction	Demonstrates improving collaboration; positive collaboration but usually with guidance from the teacher and/or peers	Demonstrates adequate collaboration; was productive and positive collaboration but with some guidance from the teacher and/or peers	Demonstrates satisfactory collaboration; was productive and positive collaboration but with little guidance from the teacher and/or peers	Demonstrates productive and positive collaboration with minimal guidance from the teacher and/or peers	Demonstrates accomplished and consistent productive and positive collaboration with no clear guidance	Demonstrates excellent initiative, respect to team members, and often contributing ideas and solutions to problems or conflicts	Demonstrates outstanding initiative, respect to team members, and contributing regularly to team work

