ПЛАН УРОКА

Предмет	Информатика	
Учитель	Сулейменова А.А.	
Школа, класс	г. Уральск, НИШ, 11 класс	
Тема урока	Branching algorithm structure	www.bilimland.kz

Write a program code using a basic algorithmic «branching» structure when developing a project		
Knowledge:		
Understanding:		
2. describe how implement branch algorithm		
Applying:		
3. write program code to implement branch structure		
Analysis:		
4. analyze scenario from different subjects		
Synthesis:		
5. create application to realize branch algorithm		
Evaluation:		
b. evaluate the work of a classmate		
vvnat is a branch algorithm?		
How to implement branch algorithm?		
10:		
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Language objectives:	 Learners can: Discuss branch algorithms Subject-specific vocabulary & terminology: Algorithmic structure, Software code, Following, Branching, Cycle, Component, Development environment, Debugging, Property, Library, Compilation, Method, Decision Useful set(s) of phrases for dialogue/writing: The branching algorithm The main property of branch algorithms is Decision is
Cross- curricular links:	Physics, Math, Biology, Kazakh language
Previous learning:	This unit requires general knowledge about algorithmization and programming. Knowledge of one of the programming languages, understanding of branched and cyclic structures algorithms. Learners need experience working with the development environment.

План

Lesso n stage s	Planned activities a	t the lesson	Resources
Lesso	Part I.		https://bilimland.kz/e
n 1	1. Greetings		<u>n/courses/computer-</u>
Start	2. Starter		<u>science/6th-</u>
8 min	Action: Test		grade/lesson/types-
	Purpose: Check previous knowledge		of-algorithm
	Description:	-	(Exercise 1,2,3)
	Teacher's activities:	Student's activities:	
	Share the link to test yourself.	(I) do test.	https://bilimland.kz/e
	Asks student to do exercises		n/courses/computer-
	on IWB		science/6th-
	Evaluation: SC 1,2		grade/lesson/writing-
			algorithm-with-the-
			Tiow-charts
	Action: Discussion		(Test)
	Purpose: declare topic of the less	son	
	Description: Define topic, LO and	discuss SC	BILIM
	leacher's activities:	Student's activities:	Land
	Announcement of the topic,	(W) Writes down the	
	LO and SC of the lesson.	theme of the lesson	
	The teacher introduces	on their copybooks.	
	students to the topic of the	Discuss success	
	lesson, with the learning	criteria themselves	
	objectives. Asks students to	by Bloom	
	create success criteria for the	Taxonomy.	
	LO by themselves.		

Middl	Action: Discussion	https://bilimland.kz/e	
e _	Purpose: To define branch algorithm		<u>n/courses/computer-</u>
7 min	Description:		<u>SCIENCE/bth-</u>
	Display video about		<u>grade/lesson/types-</u>
	Display video about	(VV) watch video	(Explanation video)
	Share link to text about	(F) lead the text and discuss different ways of	https://bilimland.kz/e
	algorithm writing forms	presenting given	n/courses/computer-
	and asks to write in	algorithm	science/6th-
	different form given	algonann	grade/lesson/algorith
	scenario		m-writing-forms
	Organizes discussions		(Text)
	Evaluation: SC 1,2,4		
15	Action: Project work		Tiuio
min	Purpose: Practice		iwig
	Description:		BILIM
	Teacher's	Student's activities:	1 st group:
	activities:		https://twia-
	Divide student for 4	(G) 1 st group – watch	bilim kz/ru/film/what-
	groups.	recommended video with	is-dna (Video)
	Give instructions.	advanced test about DNS	2 nd group:
	Share resources.	and create app to testing	https://bilimland.kz/e
	Support each group.	2 nd group – Pendulum Lab.	n/courses/simulation
		Simulate math pendulum.	<u>s/physics/lesson/pen</u>
		Create app to calculate	<u>dulum-lab</u>
		period for Earth and moon	(Simulator)
		3 rd group – recap knowledge	3 ^{ra} group:
		about verbs in Kazakh	https://imektep.kz/kz/
		animation and true-false	<u>DOIIMOI-Znane-</u> bolimoiz otiotiktor
		dame and create app to	(animation true-
		check student's knowledge	(animation, true-
		4 th group – research	4 th group.
		worksheet and diagram	i group:
		about triangle, then create	-8-
		app to check triangle	-2-
	Organizes group	property.	iMektep
	assessment	Share results/feedback	
	Evaluation: SC 3,4,5		
	Action: Summary		
5 min	Purpose: To define studer	nt's understanding levels	
	Description:		
	Teacher's activities:	Student's activities:	
	Offers the link to check	(I) Do test.	
	student's progress		
	Evaluation: 1, 2		
End	Action Reflection		⊢lipchart
o min	Purpose: Define level of S		
	Teacher's activities:	Student's activities:	
	Display BlobTree and as	k (I) Choose one	

question about their own progress	character. Justify answer.	
Evaluation: SC 6	Evaluation: SC 6	
Homework: Create app for own project		

Differentiation – how do	Assessment - how are	Cross-curricular links	
you plan to give more support? How do you plan to challenge the more able learners?	you planning to check students' learning?		
Differentiation by student's	Feedback, self-	Physics, Math, Biology,	
abilities, interests	assessment, pair	Kazakh language	
	assessment, group		
	assessment, assessment		
	by online education		
	Platform Bilimland.kz		
Summary evaluation			
What two things went really well (consider both teaching and learning)?			
1:			
2:			
What two things would have improved the lesson (consider both teaching and learning)?			
1:			
2:			
What have I learned from this lesson about the class or achievements/difficulties of individuals that will inform my next lesson?			