Внедрение методики Flipped Classroom в учебный процесс университета им. Сулеймана Демиреля

Координатор программы “Информационные Системы” - Азамат Жаманов

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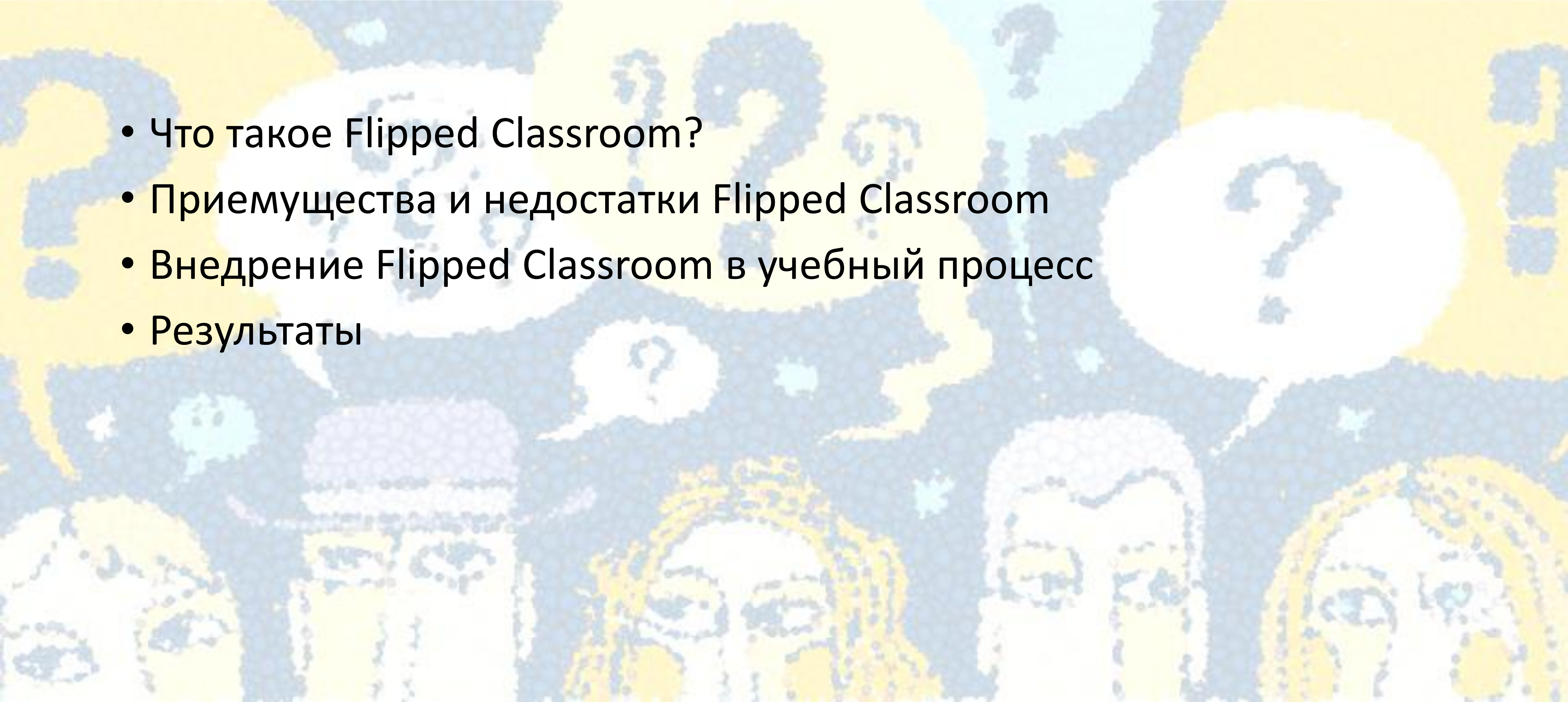
SULEYMAN DEMIREL UNIVERSITY

О чем презентация



- Что такое Flipped Classroom?
- Приемущества и недостатки Flipped Classroom
- Внедрение Flipped Classroom в учебный процесс
- Результаты

Что такое Flipped Classroom?

Традиционный метод

Flipped Classroom

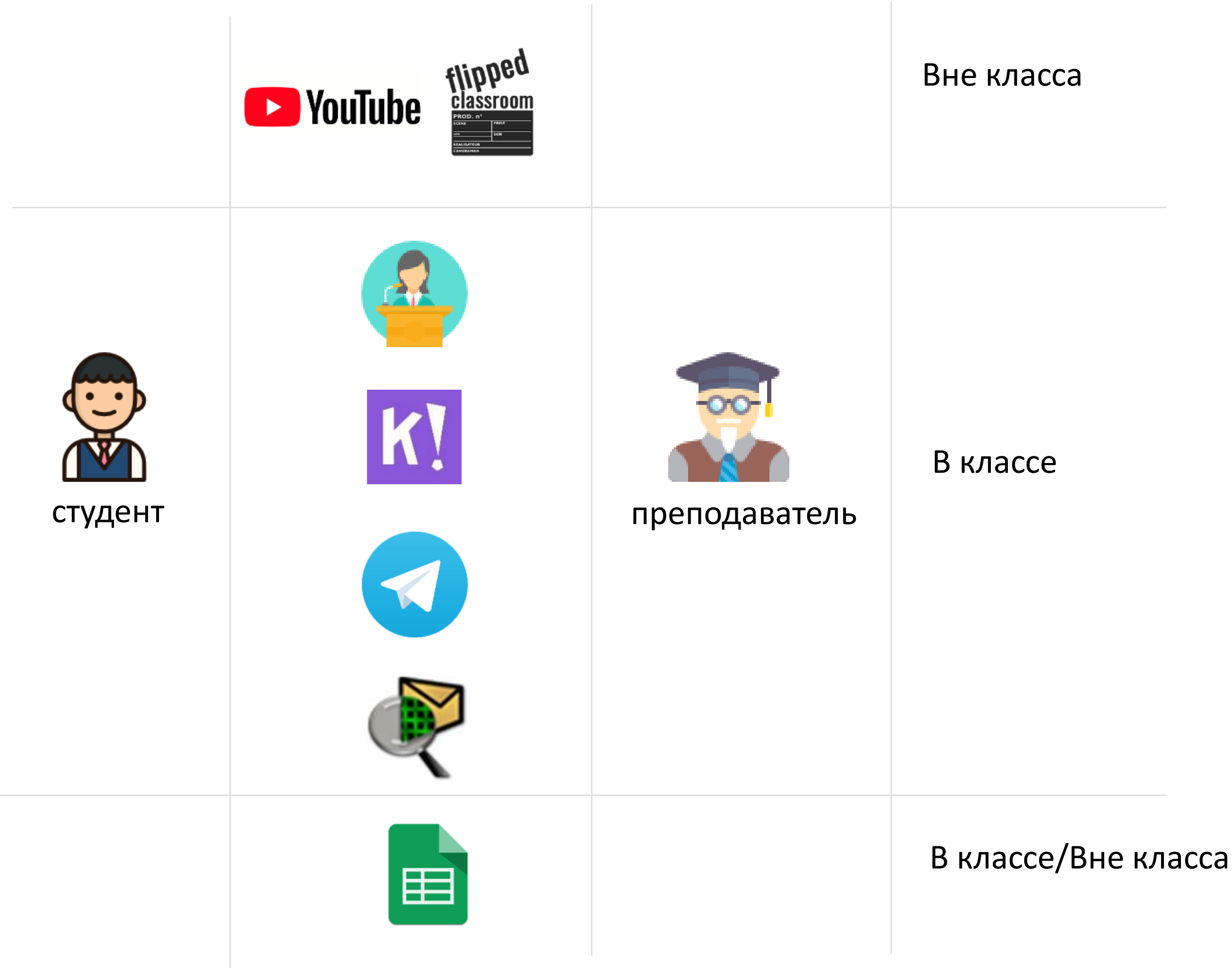
Приемущества Flipped Classroom

- Больше контакта между преподавателем и студентом
- Короткое видео лучше чем лекция
- Студенты деляться друг с другом знаниями
- Преподаватель готовит урок один раз

Недостатки Flipped Classroom

- Дополнительное время на подготовку видео уроков
- Технические требования
- Безответственные студенты
- Непонимание со стороны администрации

Внедрение Flipped Classroom в учебный процесс


YouTube
flipped classroom

Вне класса

студент

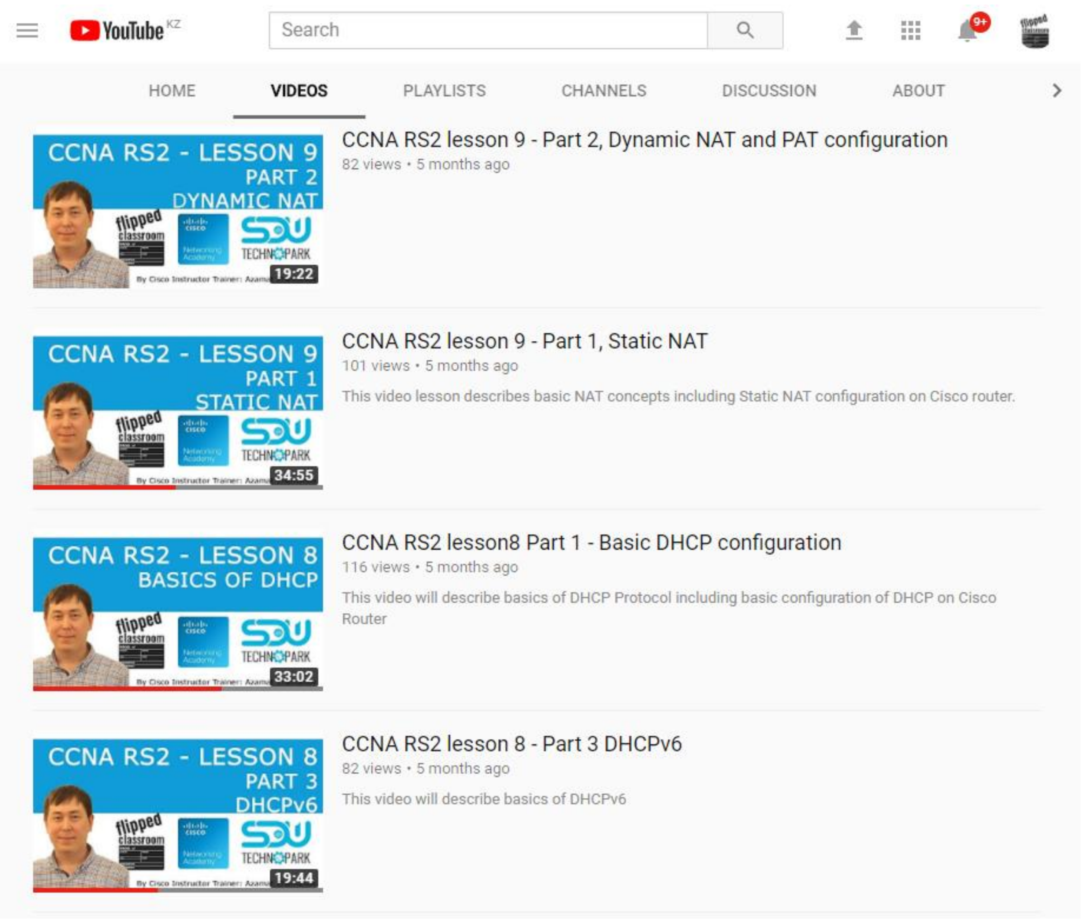
преподаватель

В классе

В классе/Вне класса

- Видео на YouTube
- Презентация (студенты)
- Игра(quiz) на Kahoot!
- Общение через Telegram
- Лабораторки на Packet Tracer
- Оценки на Google Sheets

Видео на YouTube канале


YouTube KZ
Search
HOME
VIDEOS
PLAYLISTS
CHANNELS
DISCUSSION
ABOUT
CCNA RS2 - LESSON 9 PART 2 DYNAMIC NAT
19:22
CCNA RS2 - LESSON 9 PART 1 STATIC NAT
34:55
CCNA RS2 - LESSON 8 BASICS OF DHCP
33:02
CCNA RS2 - LESSON 8 PART 3 DHCPv6
19:44

CCNA RS2 lesson 9 - Part 2, Dynamic NAT and PAT configuration
82 views • 5 months ago

CCNA RS2 lesson 9 - Part 1, Static NAT
101 views • 5 months ago
This video lesson describes basic NAT concepts including Static NAT configuration on Cisco router.

CCNA RS2 lesson8 Part 1 - Basic DHCP configuration
116 views • 5 months ago
This video will describe basics of DHCP Protocol including basic configuration of DHCP on Cisco Router

CCNA RS2 lesson 8 - Part 3 DHCPv6
82 views • 5 months ago
This video will describe basics of DHCPv6

Перейти на канал по QR коду

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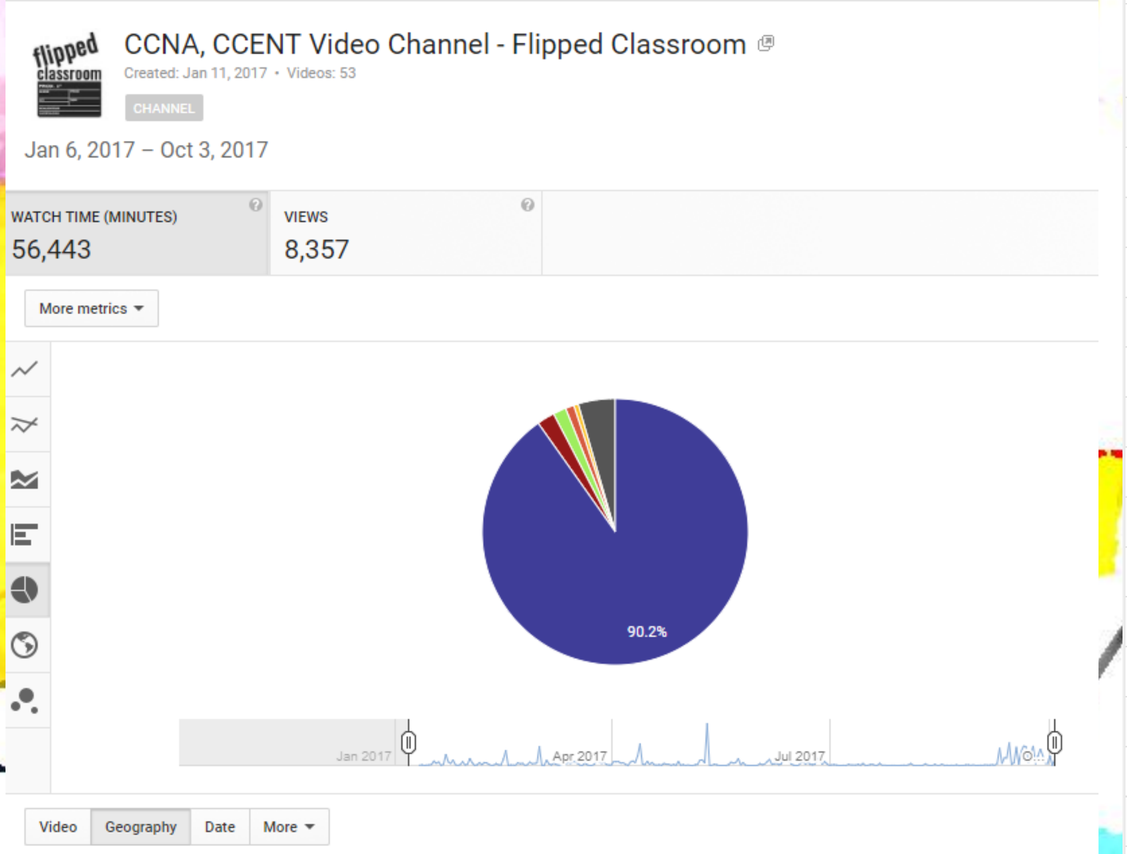
Статистика YouTube канала



CCNA, CCENT Video Channel - Flipped Classroom

Created: Jan 11, 2017 • Videos: 53

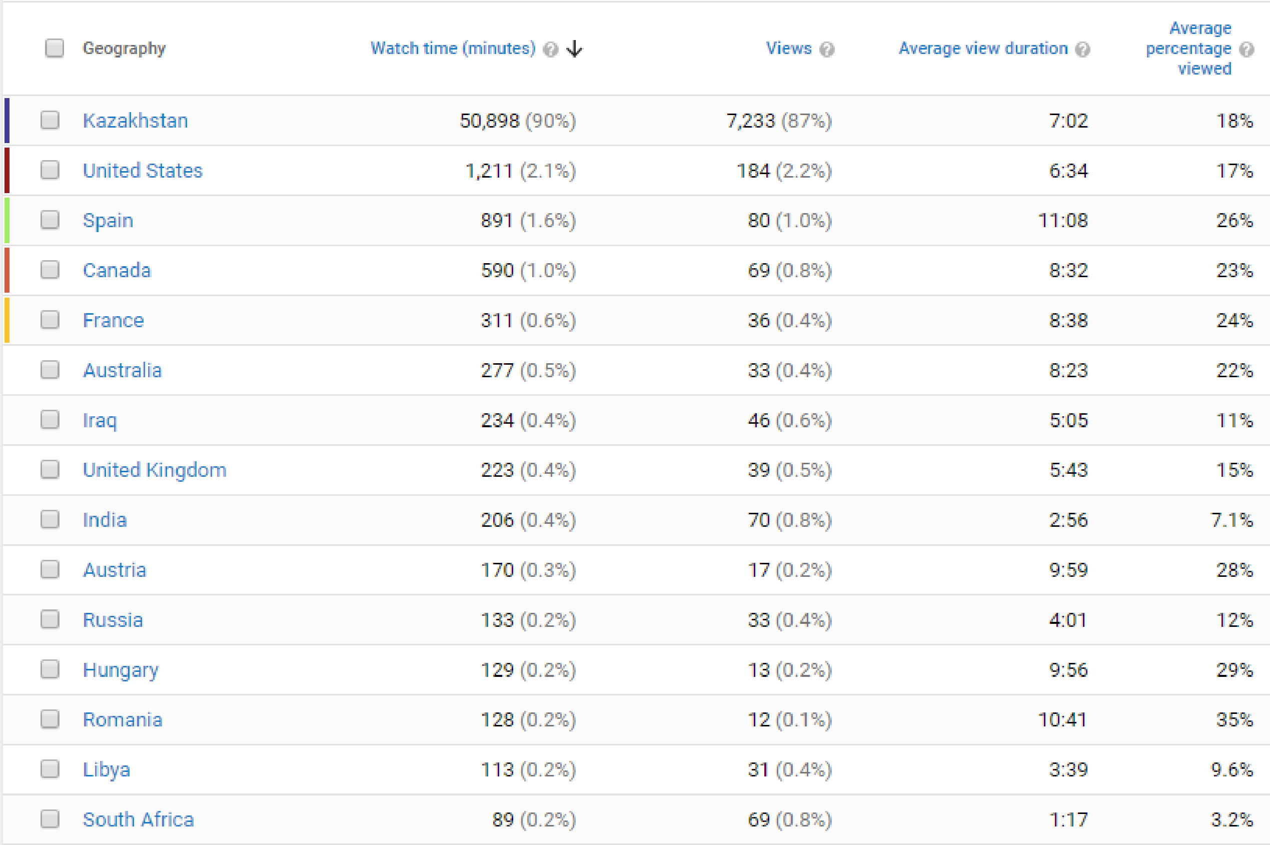
CHANNEL

Jan 6, 2017 – Oct 3, 2017

WATCH TIME (MINUTES): 56,443

VIEWS: 8,357

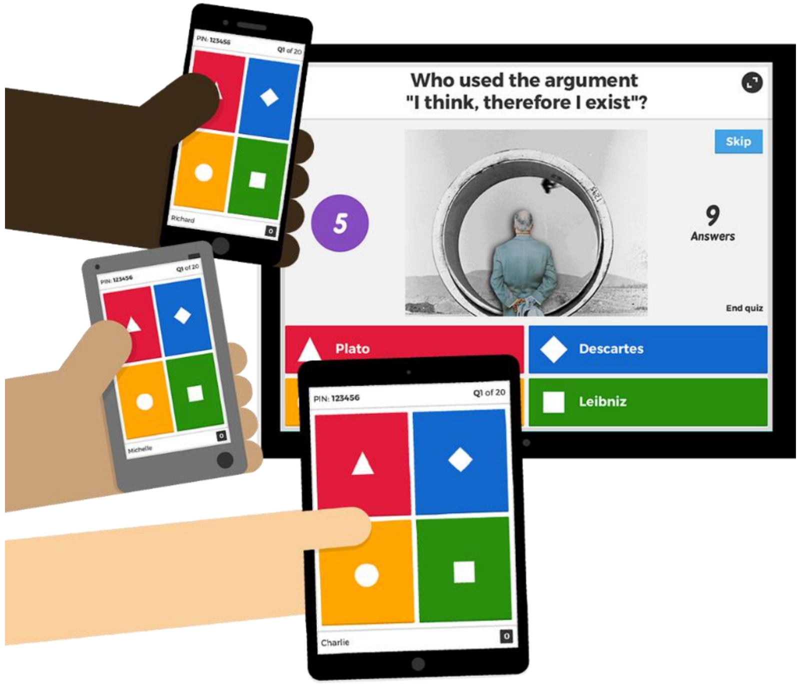
flipped classroom
More metrics
90.2%
Jan 2017
Apr 2017
Jul 2017
Video
Geography
Date
More



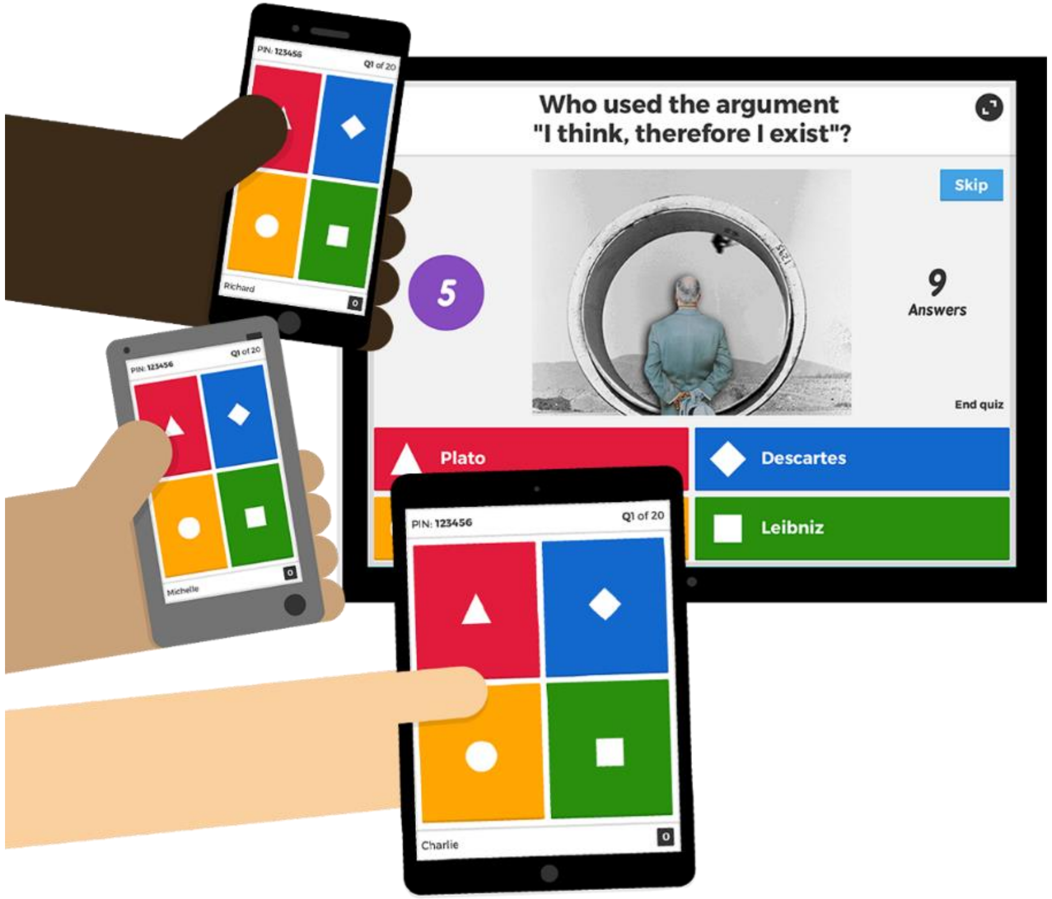
☐	Geography	Watch time (minutes)	Views	Average view duration	Average percentage viewed
☐	Kazakhstan	50,898 (90%)	7,233 (87%)	7:02	18%
☐	United States	1,211 (2.1%)	184 (2.2%)	6:34	17%
☐	Spain	891 (1.6%)	80 (1.0%)	11:08	26%
☐	Canada	590 (1.0%)	69 (0.8%)	8:32	23%
☐	France	311 (0.6%)	36 (0.4%)	8:38	24%
☐	Australia	277 (0.5%)	33 (0.4%)	8:23	22%
☐	Iraq	234 (0.4%)	46 (0.6%)	5:05	11%
☐	United Kingdom	223 (0.4%)	39 (0.5%)	5:43	15%
☐	India	206 (0.4%)	70 (0.8%)	2:56	7.1%
☐	Austria	170 (0.3%)	17 (0.2%)	9:59	28%
☐	Russia	133 (0.2%)	33 (0.4%)	4:01	12%
☐	Hungary	129 (0.2%)	13 (0.2%)	9:56	29%
☐	Romania	128 (0.2%)	12 (0.1%)	10:41	35%
☐	Libya	113 (0.2%)	31 (0.4%)	3:39	9.6%
☐	South Africa	89 (0.2%)	69 (0.8%)	1:17	3.2%

Презентация (студенты)

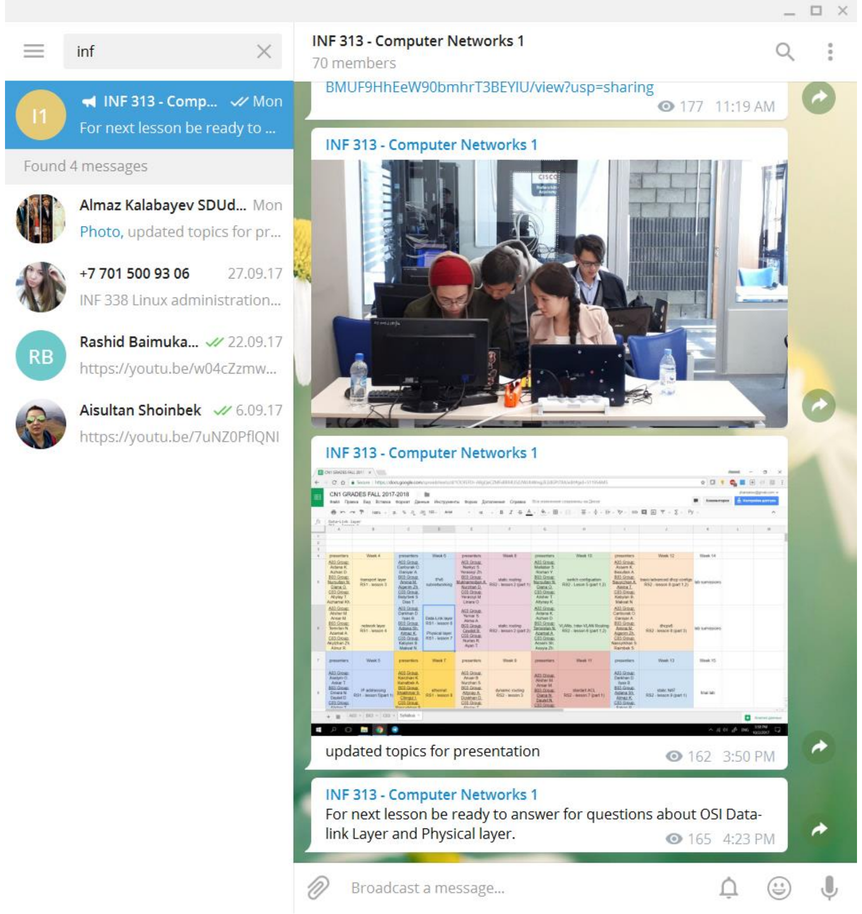
Игра(quiz) на Kahoot!


Who used the argument "I think, therefore I exist"?
Skip
5
9 Answers
End quiz
Plato
Descartes
Leibniz
PIN: 123456
Q1 of 20
Richard
Michelle
Charlie

Демо Kahoot!


PIN: 123456
Q1 of 20
Richard
0
Who used the argument "I think, therefore I exist"?
Skip
5
9
Answers
End quiz
Plato
Descartes
Leibniz
PIN: 123456
Q1 of 20
Michelle
0
PIN: 123456
Q1 of 20
Charlie
0

Общение через Telegram канал



inf

INF 313 - Comp... Mon
For next lesson be ready to ...

Found 4 messages

Almaz Kalabayev SDUd... Mon
Photo, updated topics for pr...

+7 701 500 93 06 27.09.17
INF 338 Linux administration...

Rashid Baimuka... 22.09.17
https://youtu.be/w04cZzmw...

Aisultan Shoinbek 6.09.17
https://youtu.be/7uNZ0PfIQNI

INF 313 - Computer Networks 1
70 members

BMUF9HhEeW90bmhrT3BEYIU/view?usp=sharing
177 11:19 AM

INF 313 - Computer Networks 1

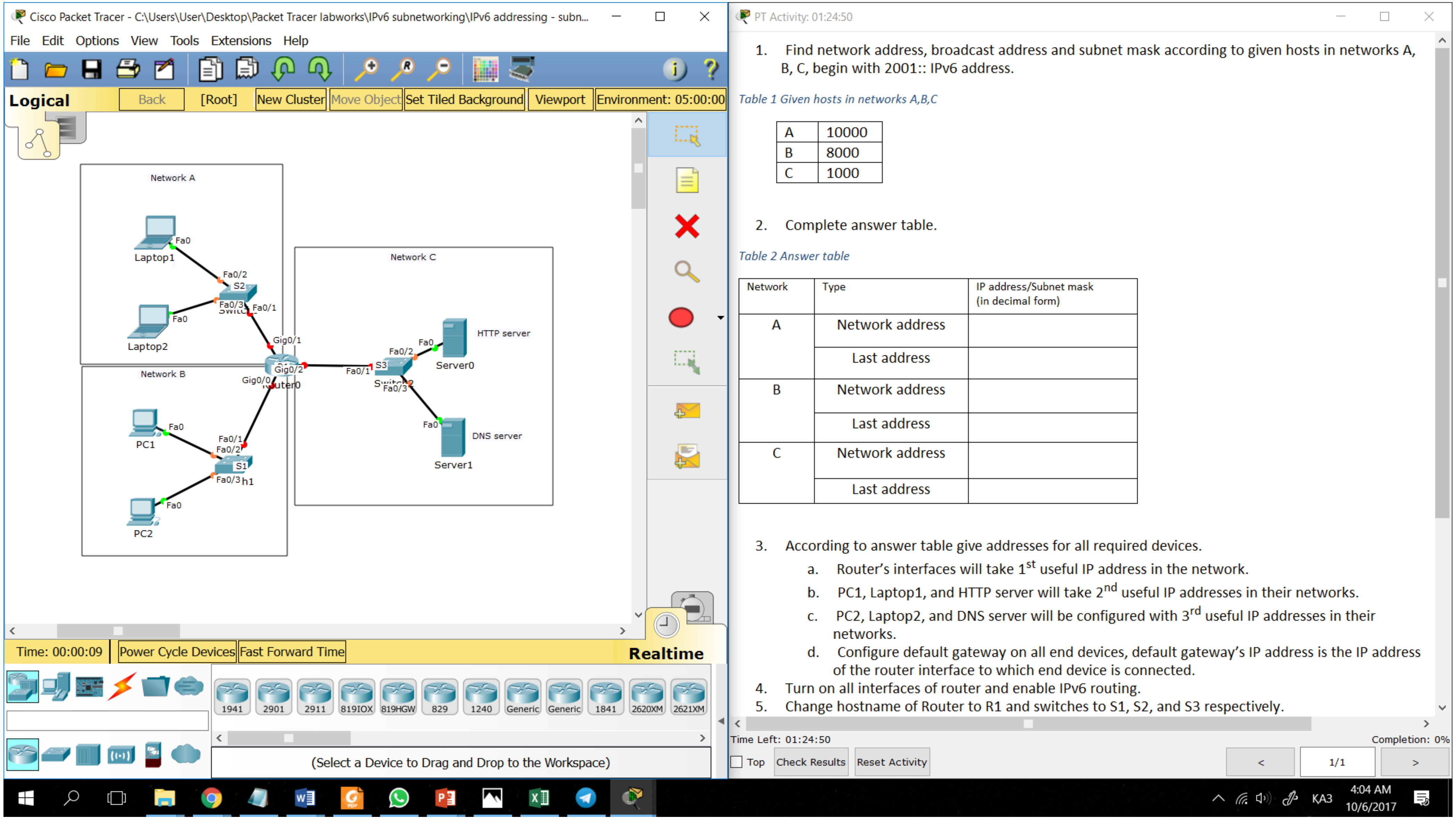
INF 313 - Computer Networks 1

updated topics for presentation
162 3:50 PM

INF 313 - Computer Networks 1
For next lesson be ready to answer for questions about OSI Data-link Layer and Physical layer.
165 4:23 PM

Подписаться на канал по QR коду

Лабораторки на Packet Tracer


Cisco Packet Tracer - C:\Users\User\Desktop\Packet Tracer labworks\IPv6 subnetworking\IPv6 addressing - subn...
File
Edit
Options
View
Tools
Extensions
Help
Logical
Back
[Root]
New Cluster
Move Object
Set Tiled Background
Viewport
Environment: 05:00:00
Network A
Laptop1
Laptop2
Fa0
Fa0/2
Fa0/3
Fa0/1
S2
Switch
Network B
PC1
PC2
S1
Fa0/1
Fa0/2
Fa0/3
Network C
HTTP server
Server0
DNS server
Server1
S3
Switch2
Fa0/1
Fa0/2
Fa0/3
Gig0/0
Gig0/1
Gig0/2
Router0
Time: 00:00:09
Power Cycle Devices
Fast Forward Time
Realtime
1941
2901
2911
819IOX
819HGW
829
1240
Generic
Generic
1841
2620XM
2621XM
(Select a Device to Drag and Drop to the Workspace)
PT Activity: 01:24:50
Top
Check Results
Reset Activity
<
1/1
>
4:04 AM
10/6/2017

1. Find network address, broadcast address and subnet mask according to given hosts in networks A, B, C, begin with 2001:: IPv6 address.

Table 1 Given hosts in networks A,B,C

A	10000
B	8000
C	1000

2. Complete answer table.

Table 2 Answer table

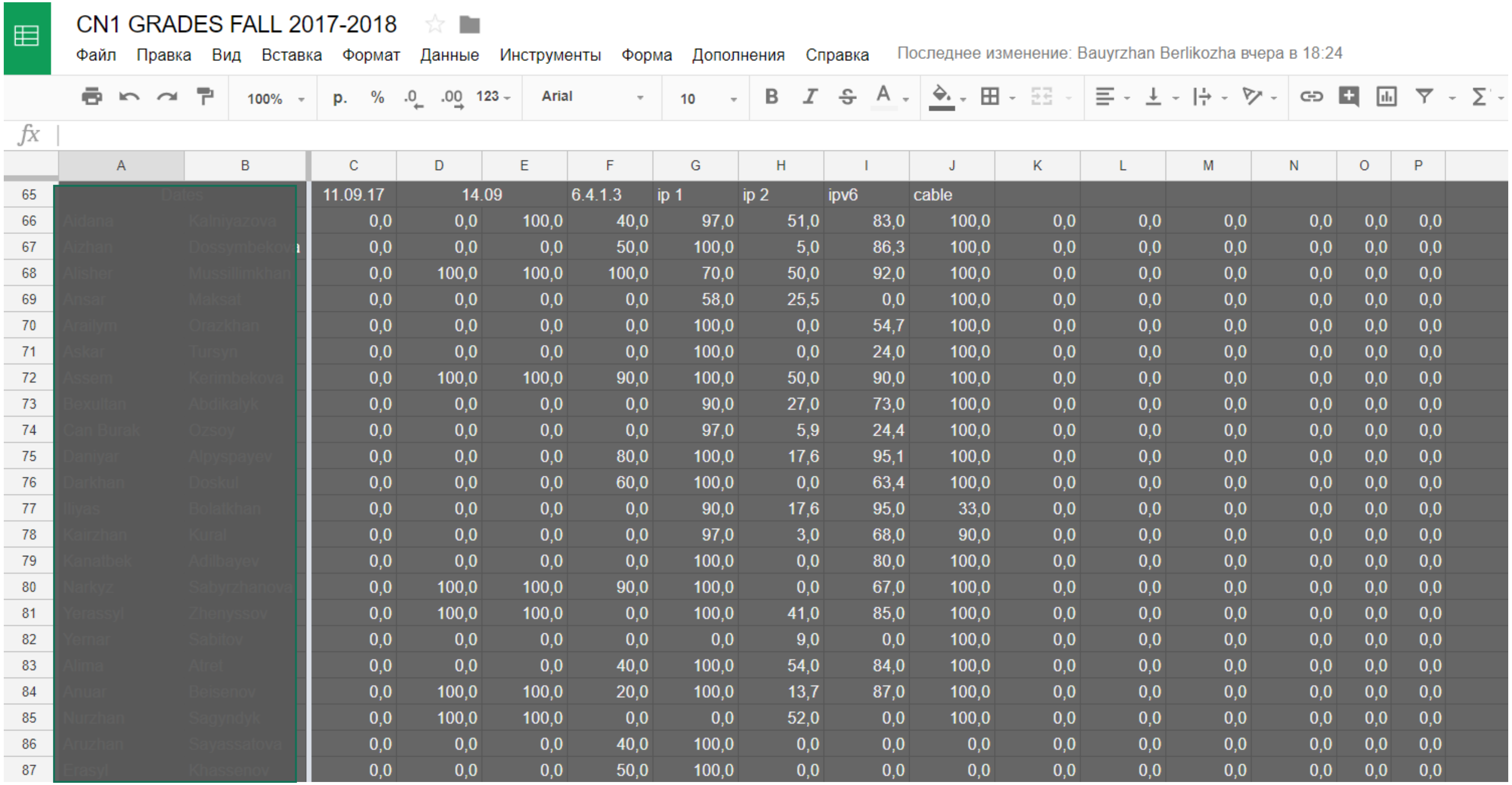
Network	Type	IP address/Subnet mask (in decimal form)
A	Network address	
	Last address	
B	Network address	
	Last address	
C	Network address	
	Last address	

3. According to answer table give addresses for all required devices.
   a. Router's interfaces will take 1st useful IP address in the network.
   b. PC1, Laptop1, and HTTP server will take 2nd useful IP addresses in their networks.
   c. PC2, Laptop2, and DNS server will be configured with 3rd useful IP addresses in their networks.
   d. Configure default gateway on all end devices, default gateway's IP address is the IP address of the router interface to which end device is connected.
4. Turn on all interfaces of router and enable IPv6 routing.
5. Change hostname of Router to R1 and switches to S1, S2, and S3 respectively.

Time Left: 01:24:50

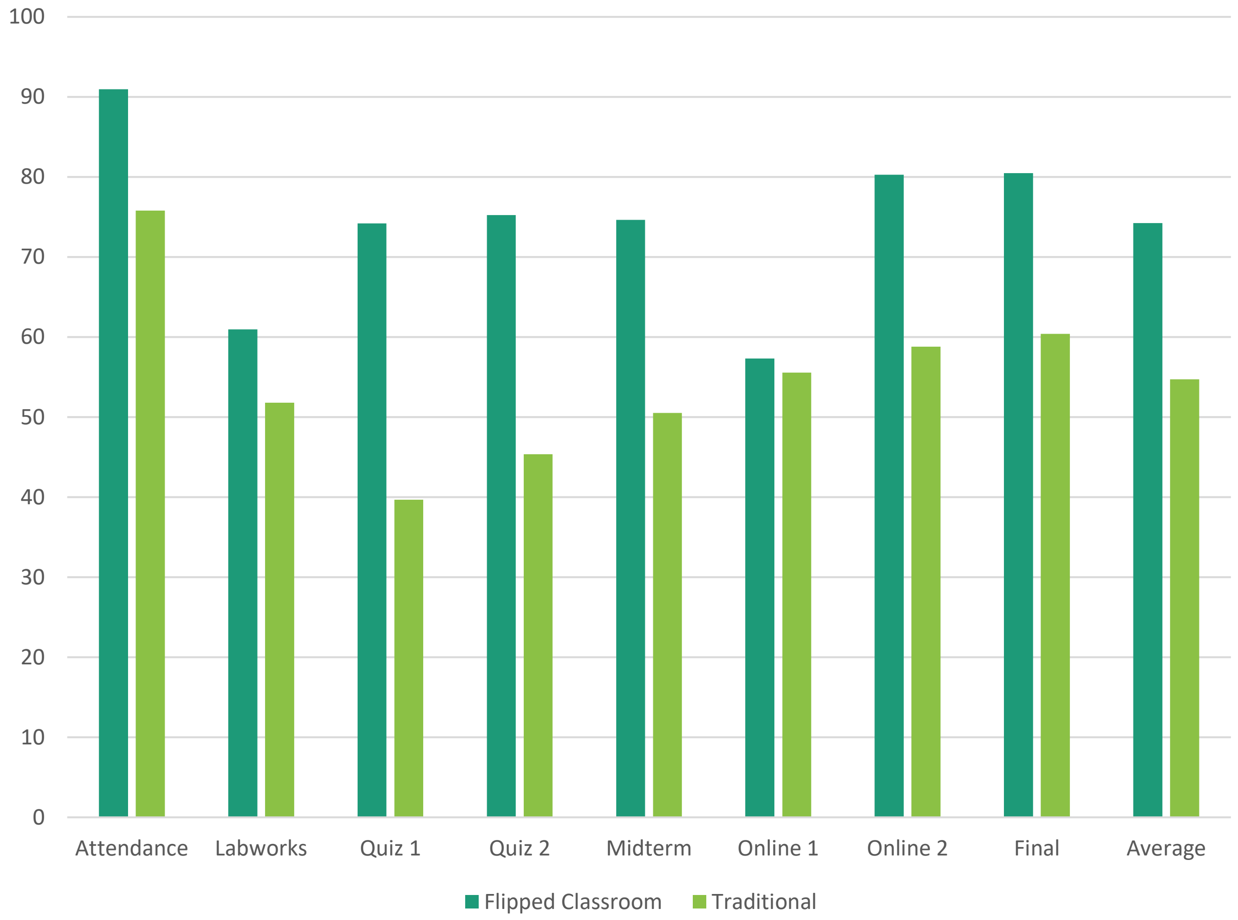
Completion: 0%

Оценки на Google Sheets


CN1 GRADES FALL 2017-2018
Файл
Правка
Вид
Вставка
Формат
Данные
Инструменты
Форма
Дополнения
Справка
Последнее изменение: Bauyrzhan Berlikozha вчера в 18:24
100%
р.
%
.0
.00
123
Arial
10
B
I
S
A
fx

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
65	[redacted]	[redacted]	11.09.17	14.09		6.4.1.3	ip 1	ip 2	ipv6	cable						
66	[redacted]	[redacted]	0,0	0,0	100,0	40,0	97,0	51,0	83,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
67	[redacted]	[redacted]	0,0	0,0	0,0	50,0	100,0	5,0	86,3	100,0	0,0	0,0	0,0	0,0	0,0	0,0
68	[redacted]	[redacted]	0,0	100,0	100,0	100,0	70,0	50,0	92,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
69	[redacted]	[redacted]	0,0	0,0	0,0	0,0	58,0	25,5	0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
70	[redacted]	[redacted]	0,0	0,0	0,0	0,0	100,0	0,0	54,7	100,0	0,0	0,0	0,0	0,0	0,0	0,0
71	[redacted]	[redacted]	0,0	0,0	0,0	0,0	100,0	0,0	24,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
72	[redacted]	[redacted]	0,0	100,0	100,0	90,0	100,0	50,0	90,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
73	[redacted]	[redacted]	0,0	0,0	0,0	0,0	90,0	27,0	73,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
74	[redacted]	[redacted]	0,0	0,0	0,0	0,0	97,0	5,9	24,4	100,0	0,0	0,0	0,0	0,0	0,0	0,0
75	[redacted]	[redacted]	0,0	0,0	0,0	80,0	100,0	17,6	95,1	100,0	0,0	0,0	0,0	0,0	0,0	0,0
76	[redacted]	[redacted]	0,0	0,0	0,0	60,0	100,0	0,0	63,4	100,0	0,0	0,0	0,0	0,0	0,0	0,0
77	[redacted]	[redacted]	0,0	0,0	0,0	0,0	90,0	17,6	95,0	33,0	0,0	0,0	0,0	0,0	0,0	0,0
78	[redacted]	[redacted]	0,0	0,0	0,0	0,0	97,0	3,0	68,0	90,0	0,0	0,0	0,0	0,0	0,0	0,0
79	[redacted]	[redacted]	0,0	0,0	0,0	0,0	100,0	0,0	80,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
80	[redacted]	[redacted]	0,0	100,0	100,0	90,0	100,0	0,0	67,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
81	[redacted]	[redacted]	0,0	100,0	100,0	0,0	100,0	41,0	85,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
82	[redacted]	[redacted]	0,0	0,0	0,0	0,0	0,0	9,0	0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
83	[redacted]	[redacted]	0,0	0,0	0,0	40,0	100,0	54,0	84,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
84	[redacted]	[redacted]	0,0	100,0	100,0	20,0	100,0	13,7	87,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
85	[redacted]	[redacted]	0,0	100,0	100,0	0,0	0,0	52,0	0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
86	[redacted]	[redacted]	0,0	0,0	0,0	40,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
87	[redacted]	[redacted]	0,0	0,0	0,0	50,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

Результат внедрения Flipped Classroom



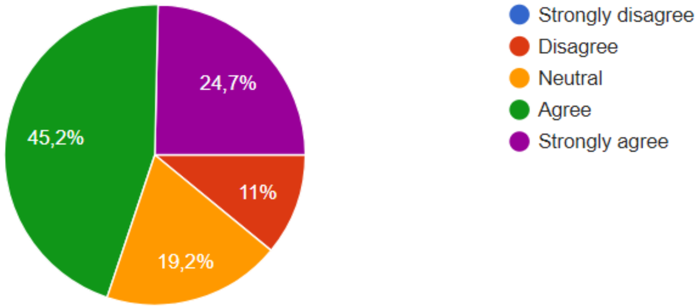
	Flipped Classroom	Traditional
Attendance	90,93	75,78
Labworks	60,96	51,78
Quiz 1	74,2	39,67
Quiz 2	75,22	45,35
Midterm	74,63	50,51
Online 1	57,32	55,57
Online 2	80,25	58,78
Final	80,45	60,41
Average	74,24	54,73

Отзывы студентов

Video lessons better than traditional lectures in lecture hall

73 ответа

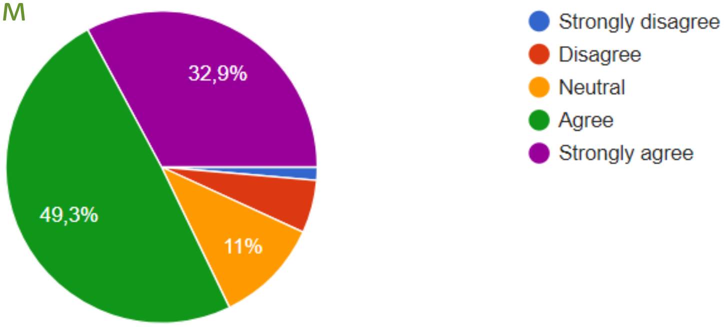
Видео уроки лучше чем традиционные лекции



I prepared to lessons mostly by video lessons, prepared by my instructor

73 ответа

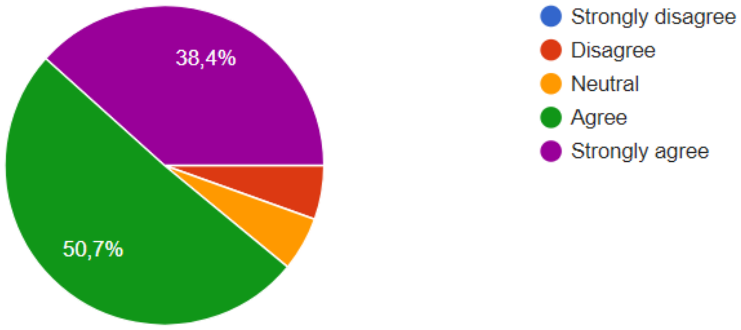
Я готовился на уроки в основном по видео урокам, подготовленными преподавателем



Video lessons prepared by my instructor understandable for me

73 ответа

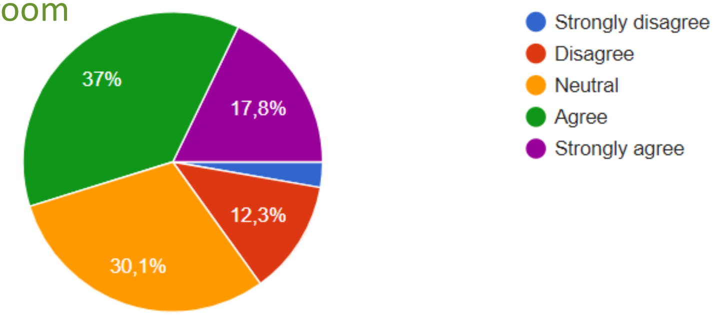
Я понимаю видео уроки



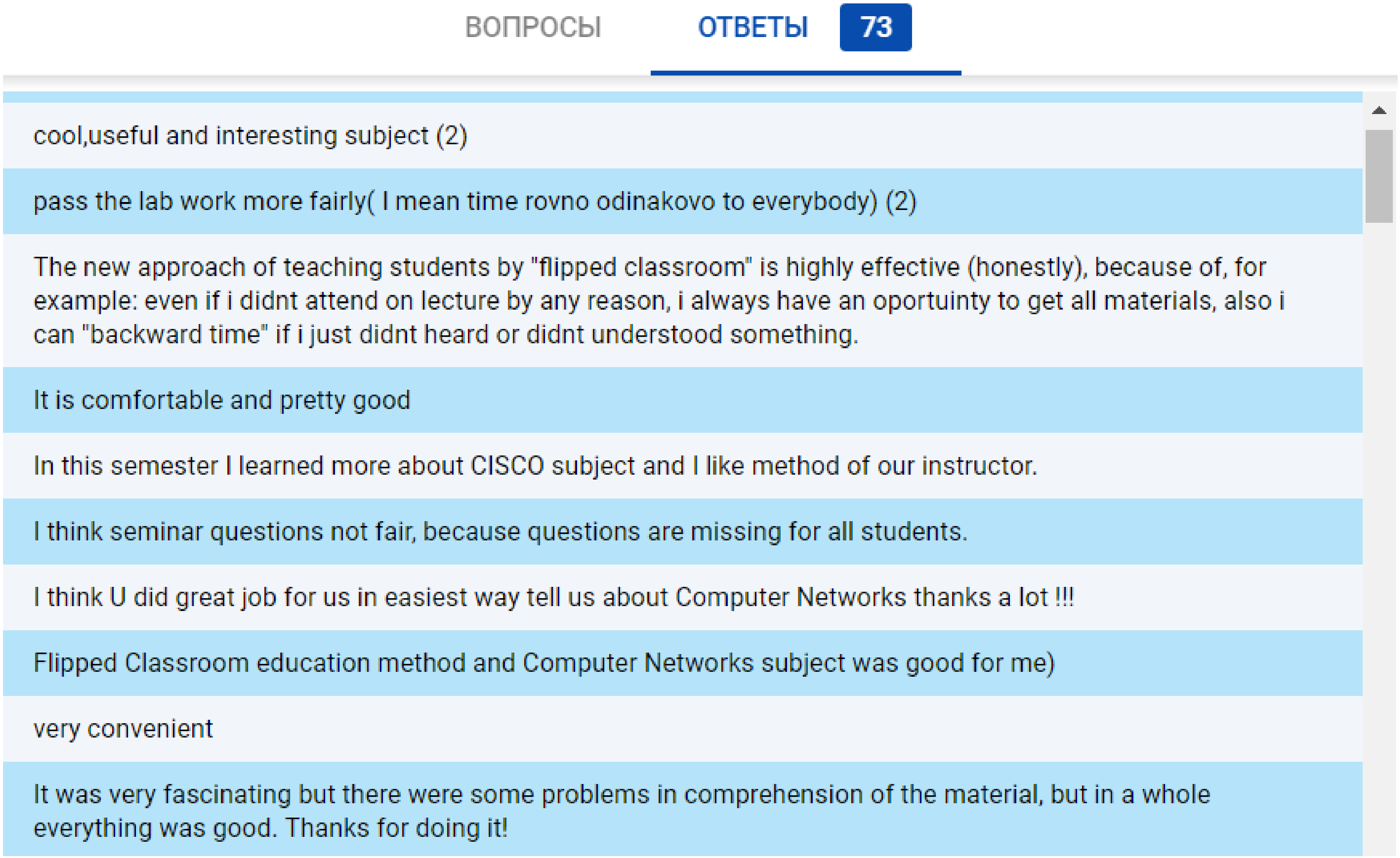
I would like to have all other lessons to be in same format (with video lessons and without traditional lectures in lecture hall)

73 ответа

Хотел бы чтобы остальные предметы преподавались бы в формате Flipped Classroom



Отзывы студентов



cool,useful and interesting subject (2)

pass the lab work more fairly(I mean time rovno odinakovo to everybody) (2)

The new approach of teaching students by "flipped classroom" is highly effective (honestly), because of, for example: even if i didnt attend on lecture by any reason, i always have an oportuinty to get all materials, also i can "backward time" if i just didnt heard or didnt understood something.

It is comfortable and pretty good

In this semester I learned more about CISCO subject and I like method of our instructor.

I think seminar questions not fair, because questions are missing for all students.

I think U did great job for us in easiest way tell us about Computer Networks thanks a lot !!!

Flipped Classroom education method and Computer Networks subject was good for me)

very convenient

It was very fascinating but there were some problems in comprehension of the material, but in a whole everything was good. Thanks for doing it!

Спасибо за внимание!

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Phone: +7707 903 33 11
https://www.youtube.com/channel/UCcQLKoayxTjAD28TVNAYzBw
http://sdu.edu.kz

Profit
Education Day