

The topic and directions of research work of the department of Mathematics and Computer Science in direction 2 is carried out as follows:

Name of the department	Scientific directions	Scientific supervisors	Performers
Mathematics and computer science	“Improving the creative abilities of students and applied branches of modern mathematics and computer science” “Development of creative activity of students and applied areas of modern disciplines of mathematics and computer science”	f.m.g.k., associate professor Medetbekova R. A	Master, senior teacher Aman M. A., magician, senior teacher Bimenova Z. A., master teacher Tadzhikhanova K. I.
Mathematics and computer science	“Improving the creative abilities of students and applied branches of modern mathematics and computer science” “Development of creative activity of students and applied areas of modern disciplines of mathematics and computer science”	f.m.g.k., associate professor Medetbekova R. A	Master, senior teacher Aman M. A., magician, senior teacher Bimenova Z. A., master teacher Tadzhikhanova K. I.
Mathematics and Computer Science	Improving the creative abilities of students and applied branches of modern mathematics and computer science	PhD, Associate Professor Medetbekova R.A.	Master, Senior Rev. Bimenova Z. A., master's degree teacher Tajikhanov K. I.
Mathematics and Computer Science	Design, development and creation of a database of document management software for the South Kazakhstan Multidisciplinary College	PhD, senior lecturer Kobeeva Z. S.	
Mathematics and computer science	Improving the creative abilities of students and applied branches of modern mathematics and computer science.	f.m.g.k., associate professor Medetbekova R. A.	master, senior teacher Bimenova Z. A., master teacher Tadzhikhanova K.I.
Mathematics and computer science	Design, development of document management software and creation of a database for the South Kazakhstan Multidisciplinary College.	PhD, senior lecturer Kobeeva Z. S.	
Mathematics and computer	Strengthening the interaction between the school and the university in accordance with the new requirements of the labor market using	P.G.K., Associate Professor	

science	the knowledge, skills and abilities acquired by students in the learning process.	Kaldybaev A. A	
Mathematics and computer science	Improving the creative abilities of students and applied branches of modern mathematics and computer science.	f.m.g.k., associate professor Medetbekova R. A.	master, senior teacher Bimenova Z. A., master teacher Tadzhihanova K.I.

**List of research works submitted for grant competitions, conclusion of contracts**

<b>№</b>	<b>Project topic</b>	<b>Project members</b>	<b>Number/price of funded research projects</b>
1	Methodology for modernizing technological equipment for drying agricultural products using the example of the development of a filtration drying unit	junior scientific employee Dzhanabaev D.Zh  junior scientific employee Kobeeva Z.	56 368 865 ₸. 2020-2023 г
2	"Assembling a mobile smart online trading platform using information technology on a single Kazakhstani server"	PhD, senior lecturer Turdaliev Zh. K.	18 000 000
3	The use of filtration drying method in the production of multipurpose materials from agricultural and plant waste.	Dzhanabaev Dauren Zhumagalievich, PhD	23 000 000
4	Hydrodynamics and heat transfer during filter drying of crushed wood	Kobeeva Z. S., PhD	23 000 000
5	Digitalization of agricultural sectors using artificial intelligence and information technologies	Kobeeva Z. S., PhD	23 000 000
6	Remote monitoring and forecasting of the condition of agricultural lands using satellite images.	Kobeeva Z. S., PhD	126 000 000

**Research work implemented in production and educational process  
Acts of implementation in the educational process**

<b>№</b>	<b>Tags, first name last name</b>	<b>item name</b>	<b>item</b>	<b>time</b>
1	Utebaeva Sh. K., K. P. N., Art. teacher	Methods of teaching mathematics	6B01501 – “Mathematics”	2021г.
2	Medetbekova R.A., Ph.D., associate professor	Basics of geometry	6B01501 – “Mathematics”	2021г.
3	Medetbekova R.A., Ph.D., associate professor	Methods of teaching mathematics at university	7M01501 – “Mathematics”	2021г.
4	Apsemetov A., Ph.D., Associate Professor	Methodology for teaching computer science	6B01502 – "Computer science"	2021г.
5	Dzhanabaev D. Zh Phd., senior lecturer	Methodology for teaching computer science	6B01502 – "Computer science"	2021г.

**Research works funded by**

<b>№</b>	<b>Project topic</b>	<b>Project manager</b>	<b>Project members</b>
1	"Assembling a mobile smart online trading platform using information technology on a single Kazakhstani server"	PhD, senior lecturer Turdaliev Zh. K..	PhD, senior lecturer Turdaliev Zh. K.
2	Design, development and creation of a document management software database for the South Kazakhstan Multidisciplinary College	Kobeeva Z. S., PhD	Kobeeva Z. S., PhD

**Research work of students (Work of scientific circles, participation in national competitions, Olympiads, student conferences)**

<b>№</b>	<b>Student's full</b>	<b>Title of the publication</b>	<b>Place of</b>	<b>Date of</b>	<b>Scientific</b>
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	<b>name</b>		<b>publication</b>	<b>publication</b>	<b>supervisor</b>
1	Rakhmonalieva Janelle	IV Republican subject Olympiad for schoolchildren and students "Olympiad of Knowledge"	I degree	31 October's 2022 г.	K. I. Tajikhanova
2	Emilia Guseinova	IV Republican subject Olympiad for schoolchildren and students "Olympiad of Knowledge"	II degree	31 October's 2022 г.	K. I. Tajikhanova