Model of a graduate of the educational program 6B01501- Mathematics

Main objectives of the educational program:

– ensuring high-quality professional training of future mathematics teachers in accordance with the social order of society and international education standards;

– formation of a system of key competencies, as well as general scientific and special knowledge, skills and abilities of future mathematics teachers;

General cultural competencies are characterized by the fact that the graduate:

1. capable of forming and objectively assessing the personal level of aspirations, and also has the skills to increase the level of intellectual development of students;

2 is able to use the basic principles and methods of social, humanities and economic sciences in solving social and professional problems;

3 consistently and competently formulates and expresses his thoughts in his native language, has the skills of oral and written speech in Kazakh (Russian), foreign languages for working with scientific texts and public speaking;

4 uses basic methods, methods and means of obtaining, storing, and processing information; has computer skills, including global computer networks;

Subject competencies are characterized by the fact that the graduate:

1 is aware of the specifics of secondary education, has the means to implement continuity in the education of children of different ages;

2 knows the theoretical foundations and technologies of teaching mathematics to secondary school students;

3 is able to apply knowledge of the theoretical foundations and technologies of teaching mathematics, masters methods of developing subject skills and abilities of schoolchildren, masters techniques for developing interest in mathematics and using physical and mathematical knowledge in everyday life;

4 is able to apply knowledge of theoretical, fundamental and applied mathematics;

5 is able to use physical and mathematical apparatus, programming and modern computer technologies to solve practical problems;

6 owns modern formalized physical, mathematical, information and logical models and methods;