Domain: Arithmetic with Polynomials and Rational Expressions Arithmetic Operations on Polynomials (A-APR.1) Night School Score 3.0, in-depth inferences and applications that go by pown instruction to the standard. The student will: 35 In addition to Score 3.0, in-depth inferences and applications with partal success. Score 3.0 The student will: 9 multiply polynomials (A-APR.1) Polynomials (M-APR.1) Polynomials (M-APR.1) 9 understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction and multiplication (A-APR.1) Polynomials. The teacher will multiply each set of polynomials (morectly residen the work to the orcer correctly and show the work for cach. Students will be placed in alts and given 3.5 incorrect multiplications. The students will be placed in the initial work and bow they revised the error analysis, they will be required to cacces multiple colse as to the accuracy of each pair's work. Once all groups have completed their error analysis for work. Once all groups have completed there are an angior errors or omissions regarding the simpler details and problems in the group. Once the eacher for feedback. Score 2.0 The student exhibits major errors or omissions regarding the simpler details and problem alphonomials. The teacher will reduce to access and the group have access multiple problem sint the group. Once the gosted problems in the work in the closes		Common Core State Standards for N	lathematics	
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Score 4.0 In addition to Score 3.0, in-depth inferences and applications that go beyond instruction to the standard. The student will: Example Activities 3.5 In addition to score 3.0, in-depth inferences and applications with partial succes. Polynomial Multiplication Error Analysis – The teacher will need to access multiple problems that require multiplication of different polynomials. The teacher will and the polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction and multiplication (A-APR.1) Polynomials. The teacher will multiply each set of polynomials includes the problems. The student students will be placed in pairs and give 3.5 incorrect multiplications. The students will be placed in pairs and give 3.5 incorrect multiplications. The student will be placed in pairs and give 3.5 incorrect multiplications. The student will be placed in pairs and give 3.5 incorrect multiplications. The student will be placed in pairs and give 3.5 incorrect multiplications. The student will be placed in pairs and give 3.5 incorrect multiplications. The student will be tracker will be trequire to the standard. The student will be tr		Arithmetic Operations on Polynomia	als (A-APR.1)	
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3.5 In addition to score 3.0 performance, in-depth inferences and applications with partial success. Score 3.0 The student will: • multiply polynomials (A-APR.1) • understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction and multiplication (A-APR.1) The student exhibits no major errors or omissions. The student exhibits no major errors or omissions. The student exhibits no major errors or omissions. The teacher will multiply cache set of polynomials incorrectly and show the work for each. Students will be placed in pairs and given 3-5 incorrect multiplications and sort the work for each. Students will be required to change partners. Once in new groups, each student will explain to their new partners will be required to change partners. Once in new groups, each student will explain to their new partner what errors they found in the initial work and how they revised ther error. The new partners will be required to agree upon revisions for ALL problems in the group. Once the groups agree upon all revisions they will submit the work to the teacher for feedback. Score 2.0 There are no major errors or omissions regarding the simpler details and processes as the student will: • recognize or recal specific vocabulary, such as: • o adds and subtracts polynomials (A-APR.1) However, the student exhibits major errors or omissions regarding the 3.0 content work and howe they are equire addition and subtraction of the posted problems in thory are equired to work each problem anolyn	Score 4.0	In addition to Score 3.0, in-depth inferences and applications that go	Example Activities	
Score 3.0 The student will: Polynomial Multiplication Error Analysis – The teacher will need to access multiple problems that require multiplication of different polynomials. The teacher will multiple ach set of polynomials incorrectly and show the work for each. Students will be placed in pairs and given 3-5 incorrect multiplications. The students will be placed in pairs and given 3-5 incorrect multiplications. The students will be placed in pairs and given 3-5 incorrect multiplications. The students will be placed in pairs and given 3-5 incorrect multiplications. The students will be placed in pairs and given 3-5 incorrect multiplications. The students will be placed in pairs and given 3-5 incorrect multiplications. The student will be placed in pairs and given 3-5 incorrect multiplications. The student will be placed in pairs and given 3-5 incorrect multiplications. The student will be placed in pairs and given 3-5 incorrect multiplications. The student will be placed in pairs and given 3-5 incorrect multiplications. The student will be placed in pairs and given 3-5 incorrect multiplications. The student will be placed in pairs and given 3-5 incorrect multiplications. The student will be placed in pairs and given 3-5 incorrect multiplications. The student will be required to change partners. Once in new groups, each student will explain to their new partner wite from the initial work and how they revised the error. The new groups, once the groups agree upon revisions for ALL problems in the work to the teacher for feedback. Zo No major errors or omissions regarding to 2 content and partial knowledge of the 3.0 content Polynomial addition/Subtraction Circuit – The teacher will need to access multiple problems that require addition and subtraction of different polynomials. The teacher polynomial is perform basic processes, such as: o polynomial 0				
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processes as the student will: access multiple problems that require addition and subtraction of different polynomials. The teacher posts the problems on the walls around the classroom. Above each problem a polynomial expression is posted, each expression is the solution to one of the posted problems in the correct expression over its original problems. Students are spread out to each of the posted problems in the room to begin with; they are required to work each problems in the room to begin with; they are required to work each problems in the room to begin with; they are required to work each problems in the room monitoring and providing immediate constructive feedback to the students. 1.5 Partial knowledge of the 2.0 content but major errors or omissions regarding the 3.0 content Score 1.0 With help, a partial understanding of the 2.0 content but not the 3.0 content		2.5 No major errors or omissions regarding 2.0 content and partial knowledge of the 3.0 content		
1.5 Partial knowledge of the 2.0 content but major errors or omissions regarding the 3.0 content Score 1.0 With help, a partial understanding of some of the simpler details and processes and some of the more complexideas and processes. 0.5 With help, a partial understanding of the 2.0 content but not the 3.0 content	Score 2.0	 processes as the student will: recognize or recall specific vocabulary, such as: polynomial perform basic processes, such as: adds and subtracts polynomials (A-APR.1) However, the student exhibits major errors or omissions regarding the 	access multiple problems that require addition and subtraction of different polynomials. The teacher posts the problems on the walls around the classroom. Above each problem a polynomial expression is posted, each expression is the solution to one of the posted problems (do not post the correct expression over its original problem). Students are spread out to each of the posted problems in the room to begin with; they are required to work each problem individually moving around the room. Each correct polynomial solution will lead them to the next station, once they arrive at the next station they are to work that problem and continue this process. As the students work, the teacher should be moving around the room monitoring and providing immediate constructive	
Score 1.0 With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes. 0.5 With help, a partial understanding of the 2.0 content but not the 3.0 content		1.5 Partial knowledge of the 2.0 content but major errors or omissions regarding the 3.0 content		
	Score 1.0	With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.		