

Math 3 Honors

Unit 5 – Polynomials

Skill	Additional Resource(s)
Simplify, Classify and Factor Polynomials	
Factoring Sums and Differences of Cubes	https://www.youtube.com/watch?v=eXjfF1I9o4E
Factoring Difference of Squares	https://www.youtube.com/watch?v=WPDAiXYmRoQ
Factor by Grouping	https://www.youtube.com/watch?v=-hiGJwMNNsM
Factor Trinomials by Grouping	https://www.khanacademy.org/math/algebra/polynomial-factorization/factoring-quadratics-2/v/factoring-trinomials-by-grouping-4
Factor Trinomials where coefficient is not 1	https://www.youtube.com/watch?v=r1JAIfmRG5w
Factoring out the GCF	https://www.youtube.com/watch?v=Y1Vd5wb0rnM
Additional Factoring	https://www.ck12.org/algebra/factor-quadratics/
Complex Numbers	
https://www.khanacademy.org/math/algebra2/introduction-to-complex-numbers-algebra-2/the-complex-numbers-algebra-2/v/complex-number-intro	
Graphing Polynomials	
PPTs	 Poly Graph PPT.pdf  Polynomial Graphs PPT.pdf
Graphing Polynomials	https://www.khanacademy.org/math/algebra2/polynomial-functions/graphs-of-polynomials/a/graphs-of-polynomials
Imaginary Zeros	https://www.youtube.com/watch?v=T647CGsuOVU
Polynomial Division	
Long Division	https://www.youtube.com/watch?v=FXgV9ySNusc
Synthetic Division	https://www.youtube.com/watch?v=1byR9UEQJN0
Synthetic Division – leading coefficient not 1	https://www.youtube.com/watch?v=ywsDmFwUstI
Remainder Theorem	
	https://www.youtube.com/watch?v=KTvQXspWhbM
	https://www.youtube.com/watch?v=MwG6QD352yc
Average Rates of Change	
https://www.mesacc.edu/~marfv02121/readings/average/	