Any standard highlighted in yellow has been determined by our WCSD teachers, district and state experts as essential for students to master.

Strand 11.A.SSE: I can interpret the structure of expressions. I can extend to polynomial and rational expressions (Standards A.SSE. 1-2). I can write expressions in equivalent forms to solve problems (Standard A.SSE.4).

Standard 11.A.SSE.1: I can interpret polynomial and rational expressions that represent a quantity in terms of its context.

Learning Targets	Academic Vocabulary & Notation	Question Stems	Possible Assessments
• I can interpret parts of an expression, such as terms, factors, and coefficients. • I can interpret complex expressions by viewing one or more of their parts as a single entity.	• factors, coefficients, terms, exponent, base, constant, variable	• Find a radical, rational, or logarithmic function that models natural phenomena. • Explain the role of the various parts of the expression.	• District CFAs

Standard 11.A.SSE.2: I can use the structure of an expression to identify ways to rewrite it.

Learning Targets	Academic Vocabulary & Notation	Question Stems	Possible Assessments
• I can use the structure of rational and polynomial expressions to rewrite them. • I can recognize how difference of squares can be factored.	• rational, polynomial	• Kelly says that factoring $5^{2x} + 4 \cdot 5^{x} + 3$ is really easy. Show and explain what she knows. • The steps I followed were…..	• District CFAs

Standard 11.A.SSE.4: I can derive the formula for the sum of a geometric series (when the common ratio is not 1) and use the formula to solve problems.			
Learning Targets • I can derive the formula for the sum of an arithmetic series. • I can derive the formula for the sum of a geometric series. • I can find the sum of a geometric series in context.	**Academic Vocabulary & Notation** • summation notation, ∑, sequence, series, infinite, finite, term	**Question Stems** • You are starting to save in a fixed rate savings account that earns 6% interest annually, but is compounded monthly. Each month you deposit $100. Write a formula for the total money **saved** after n months. Write a formula for the total money **earned** after n months.	**Possible Assessments** • District CFAs