## ALGEBRA II SCOPE \& SEQUENCE

## UNIT 1: SEQUENCES \& SERIES

2-3 Weeks


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| ESSENTIAL STANDARDS:
HSF.BF.A.2
I Write arithmetic and geometric sequences both recursively and with an explicit formula, and translate between
        the two forms
I - Use arithmetic and geometric sequences to model situations

\section*{I HSF.LE.A. 2}
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I Construct linear and exponential equations, including arithmetic and geometric sequences,
I - given a graph

-     - a description of a relationship
- two input-output pairs (include reading these from a table)

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HSF.IF.A. 3

## UNIT 2: FUNCTIONS

6-7 Weeks


Public Schools

## UNIT 3: QUADRATIC FUNCTIONS

4 Weeks


Public Schools

## UNIT 4: POLYNOMIAL FUNCTIONS

5 Weeks


Public Schools

## UNIT 5: EXPONENTIAL/LOGARITHMIC FUNCTIONS

5 Weeks


## UNIT 6: RADICAL FUNCTIONS

4 Weeks



## UNIT 8: DATA ANALYTICS

4-5 Weeks


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ESSENTIAL STANDARDS:
HSS.ID.B.6
Represent data on two quantitative variables on a scatter plot, and describe how the variables are related
        - Fit a function to the data; use functions fitted to data to solve problems in the context of the data
I HSS.IC.B.6
I Read and explain, in context, the validity of data from outside reports by
| - Identifying the variables as quantitative or categorical.
| Describing how the data was collected.
| - Indicating any potential biases or flaws.
- Identifying inferences the author of the report made from sample data
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I HSN.Q.A.2 HSS.IC.A.1 HSS.IC.B. }
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| HSS.ID.A.4 HSS.IC.A.2 |
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