First Semester

## Second Semester




|  |  |  | sequence in mathematical and real-world problems. Students connect geometric sequences to exponential functions, graph sequences on the coordinate plane, and compare key attributes of the representative function and sequence in mathematical and real-world problems. Students compare and contrast arithmetic and geometric sequences in real-world problems and data collections. <br> EOC Review (4 days) EOY Screener (2 Days) Final Exams (2 Days) STAAR Testing are allotted (4 Days) <br> Our final quarter of the year, we wrap up Quadratic functions and introduce Exponential functions, our final nonlinear unit. During sequences, students will revisit linear functions (arithmetic sequences) and exponential functions (geometric s |
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Process Standards: A.1A, A.1B, A.1C, A.1D, A.1E, A.1F, A.1G
The process standards describe ways in which students are expected to engage in the content. The process standards weave the other knowledge and skills together so that students may be successful problem solvers and use mathematics efficiently and effectively in daily life. When possible, students will apply mathematics to problems arising in everyday life, society, and the workplace.

## Student Expectation

- A.1A: Apply mathematics to problems arising in everyday life, society, and the workplace.
- A.1B: Use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution.
- A.1C: Select tools, including real objects, manipulatives, paper and pencil, and technology as appropriate, and techniques, including mental math, estimation, and number sense as appropriate, to solve problems.
- A.1D: Communicate mathematical ideas, reasoning, and their implications using multiple representations, including symbols, diagrams, graphs, and language as appropriate.
- A.1E: Create and use representations to organize, record, and communicate mathematical ideas.
- A.1F: Analyze mathematical relationships to connect and communicate mathematical ideas.
- A.1G: Display, explain, and justify mathematical ideas and arguments using precise mathematical language in written or oral communication.

