Send as an attachment via email to [adlerml@scsk12.org](mailto:adlerml@scsk12.org). Save file as: LessonPlans\_Last NameFirstInitial\_MonthDay

Example: LessonPlans\_AdlerA\_Aug10

Boxes will expand as necessary when you type. Due by 11:59 Friday of week before scheduled plans.

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| --- | --- |
| Teacher | Teri Lindsey |
| Class | Algebra I |

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|  | **Date: 11-7** | **Date: 11-8** | **Date: 11-9** | **Date: 11-10** | **Date: 11-11** |
| **Standard**  (Reference State, Common Core, ACT College Readiness Standards and/or State Competencies.) | ■ [F-IF.B.6 Calculate and interpret the average rate of change of a function (presented symbolically or as a table) over a specified interval. Estimate the rate of change from a graph.](http://tn.gov/assets/entities/education/attachments/std_math_algebra_I.pdf)   * [F-LE.A.1 Distinguish between situations that can be modeled with linear functions and with exponential functions.](http://tn.gov/assets/entities/education/attachments/std_math_algebra_I.pdf)   [b. Recognize situations in which one quantity changes at a constant rate per unit interval relative to another.](http://tn.gov/assets/entities/education/attachments/std_math_algebra_I.pdf) | | | | |
| **Objective**  (Clear, Specific, and Measurable, student-friendly) | I can distinguish between linear and exponential growth. | I can determine the rate of change in real world scenarios. | I can determine rate of change given a situation, a table, a graph, or a pair of points. | I can determine rate of change given a situation, a table, a graph, or a pair of points. | Veterans  Day  No  School |
| **Connections to Prior Knowledge** | Checks for Understanding each day will make connections to prior knowledge by providing concentrated practice of previous learned skills. | Checks for Understanding each day will make connections to prior knowledge by providing concentrated practice of previous learned skills. | Checks for Understanding each day will make connections to prior knowledge by providing concentrated practice of previous learned skills. | Checks for Understanding each day will make connections to prior knowledge by providing concentrated practice of previous learned skills. |
| **Guiding Questions**  (Motivator / Hook  An Essential Question encourages students to put forth more effort when faced with complex, open-ended, challenging, meaningful and authentic questions.) | How can a function's rate of change define its characteristics and the type of real-world phenomena it can model? | How can a function's rate of change define its characteristics and the type of real-world phenomena it can model? | How can a function's rate of change define its characteristics and the type of real-world phenomena it can model? | How can a function's rate of change define its characteristics and the type of real-world phenomena it can model? |

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| **Instructional Strategies**  (Step-By-Step Procedures – Sequence  Discover / Explain – Direct Instruction  Modeling Expectations – “I Do”  Questioning / Encourages Higher Order Thinking  Grouping Strategies  Differentiated Instructional Strategies to Provide Intervention & Extension, **Literacy Task**) | TTW present the following situation:  You have developed an incredible app that has gone viral. Both Google and Facebook have made offers to buy it from you. Google offers Plan A:  $1,000,000 the first day, $2,000,000 the second day, $3,000,000 the third and so on increasing the payment by $1,000,000 each day for 30 days.  Facebook offers Plan B: $1 the first day, $2 the next day, $4, the third day, and so on doubling the amount paid each day for 30 days.  Students work in a group to discuss:  Would you sell to Google or Facebook? Why?  Create a table  Create a graph  Discuss | TTW model finding rate of change given a table of values related to a real world context using think alouds and questioning to guide students’ understanding.  TSW will work in pairs to analyze 6 real world situations, determine the rate of change for each, and answer questions about each. | TTW guide a discussion of Examples 1-3 in Lesson 3-3 in the textbook.  TSW complete and discuss the accompanying guided practice for each example. | TTW guide a discussion of Examples 4-6 in Lesson 3-3 in the textbook.  TSW complete and discuss the accompanying guided practice for each example. |  |
| **Differentiated Tasks**  (Activities based on students’ needs and learning styles, IEP modifications) | Each team member will have a responsibility. | TTW guide students through several examples and gradually release them to work independently. | TTW guide students through several examples and gradually release them to work independently. | TTW guide students through several examples and gradually release them to work independently on Problems 24-39 on page 176 in the text. |  |
| **Assessment**  (Aligned with the Lesson Objective  Formative / Summative  Performance-Based/Rubric  Formal / Informal) | Performance-Based:  Create and interpret graph to determine the best choice | Formative:  Find the rate of change for real-world situations given in tables. | Formative:  Practice Problems section 3-3  problems 14-23 | Formative:  Rate of Change Tasks |
| **Closure**  (Reflection / Wrap-Up  Summarizing, Reminding, Reflecting, Restating, Connecting) | Discussion of best choice and why | Exit Ticket | Exit Ticket  Section 3-3  Problems 1-5 | Exit Ticket  Section 3-3  Problems 6-13 |
| **Resources/Materials**  (Aligned with the Lesson Objective  Rigorous & Relevant)  **Additional Resource(s)**  [**CCSS Flip Book with Examples of each Standard**](http://www.azed.gov/azccrs/files/2013/11/high-school-ccss-flip-book-usd-259-2012.pdf) | Glencoe, Algebra I text  Section 0-2  **Additional Resource(s)**  [**CCSS Flip Book with Examples of each Standard**](http://www.azed.gov/azccrs/files/2013/11/high-school-ccss-flip-book-usd-259-2012.pdf) | Glencoe, Algebra I text  Section 0-2  **Additional Resource(s)**  [**CCSS Flip Book with Examples of each Standard**](http://www.azed.gov/azccrs/files/2013/11/high-school-ccss-flip-book-usd-259-2012.pdf) | Glencoe, Algebra I text, Section 1-3  **Additional Resource(s)**  [**CCSS Flip Book with Examples of each Standard**](http://www.azed.gov/azccrs/files/2013/11/high-school-ccss-flip-book-usd-259-2012.pdf) | Glencoe, Algebra I text, Section 1-3 **Additional Resource(s)**  [**CCSS Flip Book with Examples of each Standard**](http://www.azed.gov/azccrs/files/2013/11/high-school-ccss-flip-book-usd-259-2012.pdf) |