T is for Time

RIF EXTENSION ACTIVITIES FOR EDUCATORS

THINK-TAC-TOE ACTIVITY OPTIONS

- Individual students can choose an activity to complete.
- Student pairs or cooperative groups can work together on a choice of their own.
- Educators can assign an activity for an individual, pairs, or groups.

For Older Students

A TIMELESS INVENTION Invent a new timepiece. How does it operate? What does it measure? What's it made of? Why should people use it? Be specific and draw a picture to go with your written description. Come up with a name for your invention! *Science, Technology, Engineering, Art*	**JUST A SECOND!** What does someone mean when they say "give me a second"? Do they really want just one second? What other expressions do people say that they don't mean *literally*? Pick 5 common *figures of speech* and draw pictures to illustrate what they mean literally and what they mean figuratively. *Art*	**FRACTION ACTION!** What are some ways that fractions and time are related? Give specific examples and use pictures to help explain your thoughts. Then, write at least 3 word problems using time fractions. *Math, Art*
I CAN DO THAT Find a task you can complete or a phrase you can say 10 times in 10 seconds. Think about how long a minute is. Try your task/phrase 60 times. Time yourself. Did it really take one minute? Explain why or why not *Math, Science*	**IN THE ZONE** What are time zones? Why do they exist? Visit **www.timeanddate.com/time/map** to find your city and explore time zones. Pick 3 cities you'd like to visit in 3 different time zones. Research online to find out how long it would take to get to each one. If you left home at 12 PM your time, what would the local time be when you reached each city? *Technology, Science, Math*	**A BOOK OF TIME** Create your own book of time. Include at least one page for each measurement – second, minute, week, month, and year. Use examples that relate to you personally. *Example:* In 1 second I can...do 1 jumping jack, take 2 steps, sing 3 notes.... Illustrate each page. *Math, Science, Art*
GET IN GEAR Many clocks use *gears* to tell time. How do gears work? Draw and label a picture or diagram of gears, or build a model. Can you think of any other machines that use gears? Hint: there are examples all around you! List at least 5. *Engineering, Science, Technology, Art*	**ADD IT UP!** Pick one of the facts from the book that represents 1 second. Calculate the action for 1 minute, 1 day, 1 week, 1 month, and 1 year. What patterns did you notice in your calculations? Show your work! *Math*	**MERCURY MATH** On the planet Mercury, 1 year is equal to about 80 days on Earth. How would having an 80 day year change your life? How many years old would you be? How do you think school would work? Why does an Earth year have 365 days? *Math, Science*

STEAM-THEMED: SCIENCE, TECHNOLOGY, ENGINEERING, ART, MATH

Reading Is Fundamental