


(Gr. 9-10) Week 1: Solving Problems

Continue your journey of learning over the summer.
You can choose to explore as many activities as you wish each week.
Challenge yourself to at least 3 in a row- just like playing Tic Tac Toe!

<p>Sustainable Development Goals</p> <p>Click to watch these videos about UN Sustainable Development Goals: Overview - Video 1 A look at SDGs - Video 2</p> <p>Pick the 2 SDGs you consider to be the biggest concern.</p> <p>Create a 30 second commercial as to why you think these are the issues we should be most concerned about.</p>	<p>Happy Problems?</p> <p>Watch the following: Helping Others Makes us Happy</p> <p>For Discussion:</p> <ul style="list-style-type: none"> • What are some of the ways you could do good and feel good, based on the talk? • Imagine a charitable organization that you would like to create. How could you maximize the emotional benefits of giving for donors to your organization? 	<p>Zacchaeus' Problems</p> <p>Use your Bible (or a virtual Bible) to read about Jesus and Zacchaeus (Luke 19.1-10)</p> <ol style="list-style-type: none"> 1. What happens when Jesus meets Zacchaeus? 2. Why are other people angry that Jesus is going to eat at Zacchaeus' house? 3. What does this story tell us about the nature of God's mercy?
<p>Weight of a Problem</p> <p>Using only paper products (paper, toilet paper, cardboard etc.) and sticks (toothpick or popsicle) design a glider that can fly carrying up to 100 gm of coins.</p> <p>Feel free to watch videos like this one for inspiration: How to make a paper glider</p> <p>How long can your glider fly?</p>	<p>What is your Problem?</p> <p>Use the answers below to create your own problems to solve. Share them with a family member and see if they can solve them! Challenge yourself to use a different operation (addition, subtraction, multiplication etc.) for each problem.</p> <p>Answers:</p> <ol style="list-style-type: none"> 1. -7 Degrees Celsius 2. 97% of students 3. Hypotenuse is 11 cm 	<p>In the News</p> <p>Select a news story that talks about a problem that is interesting to you. Find reports about this issue on 2 different news sources (print media, video etc)</p> <p>What problem are they describing?</p> <p>What kind of solutions could help this problem?</p> <p>How is the issue portrayed similarly or differently from each source?</p>
<p>As Many Reps As Possible</p> <p>Try the following activities by clicking on the link: AMRAP DPA Card</p> <p>Challenge:</p> <ul style="list-style-type: none"> • Create your own AMRAP workout. • Set a weekly fitness goal. • Re-evaluate your goal by the end of the week. • Which goals did you meet? • Which goals did you surpass? 	<p>"Lazy" Problem Solving?</p> <p>Read the following guide: Lazy Person's Guide to Saving the World</p> <p>Is this title appropriate? Why or why not?</p> <p>Pick 1 suggestion from each "level" and create a digital poster or social media post that could be used to promote actions people can take today.</p> <p>Consider using Google Slides or Draw</p>	<p>Shape of a Problem</p> <p>How many triangles are there in each diagram?</p> 