(Gr. 9-10) Week 3: Collaboration

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!

Compassion and Empathy

For successful collaboration to occur, you also need to practice compassion and empathy.

Give this **Social-Emotional Learning** activity on Compassion and Empathy a try!

Get Active: 52 Pick UP

Play 52 Pick Up! **HERE**

Adaptations:

- To increase difficulty you can multiply each number card by 2 or draw two number cards and add them together..
- You can select your own fitness activities to suit your fitness levels to increase or decrease the challenge.

Partnership for the Goals

There are 17 Sustainable Development Goals (SDGs) set out by the United Nations.

Goal 17 is about **Global Partnerships**.

Read this "**Why it Matters**" article and then create your own version updating students on why collaboration is important when it comes to tackling the SDGs.

The Art of Collaboration

Click **HERE** to create your own Art piece on collaboration.

Cups for Collaboration

This activity requires you to practice your collaboration skills with a few friends or family members and would make a great activity for summer camp, youth group, or a family games night.

Click here to learn to play Cups.

Take some time to answer the reflection questions as a group as well!

Science of Collaboration

Read this article from Nature about the impact collaboration has in the Science research community.

What are the biggest impacts of collaboration on research? Do you see similar impacts when you collaborate with others on a project? Why or why not?

How can we encourage more collaboration in Science?

Reflecting on Collaboration

You can reflect on this by writing down your thoughts, talking it through with a friend, or making a digital voice note.

Describe a time you had to collaborate with others and it was successful. Why do you think it worked?

Describe a time you had to collaborate with others and it was difficult or unsuccessful. Why?

Often in job interviews, employers will ask questions like these. Why do you think they care? What practice and examples can you work on to best address these questions.

Which One Doesn't Belong?

How we see things as "different" or "similar" depends on what criteria we are using. In mathematics, there are a LOT of different ways we can look at numbers, shapes etc.
Use **this slide deck** and decide which one doesn't belong on each slide. Then, ask a friend or family member to do the same. Are your answers different? Why?
Work together to come up with an argument for why each one wouldn't belong.
Why would this be an important skill in mathematics?

The Monty Hall Problem

You are on a gameshow where you're asked to pick one of three closed doors. Behind two of the doors there are goats, but behind the other there's a brand new car!
a) What is the probability of winning the car?
b) You've now picked a door. The game show host opens one of the doors you didn't pick and reveals a goat. Now there are two closed doors and one open door with a goat. You have one last chance to change your door. Should you change your mind and pick the other door? Why or why not?
c)You can ask a friend for help. Is this more or less helpful? Why?

Monty Hall Problem: Solution

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