

Name: _____ Class: _____

Biology Bonanza

Let's begin by getting to know our team mates. Complete the chart below as you discuss the questions as a group.

Group Members Names				
Favorite Food				
Favorite Color				
Dog person or Cat person				
Extracurricular activities				
Dream vacation				
Favorite thing from this summer (other than sleep)				
Dream job				
What are you most excited about for this school year?				

Come up with a team name:

What do you already know about Biology?

What are you most excited to learn about this year?

Station 1: Hidden in Plain Sight

	Picture 1	Picture 2	Picture 3	Picture 4	Picture 5	Picture 6	Picture 7
What organism did you find?							
Rate the difficulty of finding the hidden organism with 1 being easy and 10 being difficult.							

Provide an explanation as to why you think these organisms are "hidden in plain sight".

Think about your own life experiences. What is another example of camouflage or mimicry that you have encountered in your own life or that you have seen?

Group Chat Questions:

Talk about your birthdays and then write your names in the order in which they occur in the year, starting with January.

Can anyone wiggle their ears? If so, write down their name below!

Who has siblings? Who has the most?

Station 2: Engulfed

Describe your observations from the video.

Based on what you observed, can you determine the types of cells that were shown?

The process shown in the video is a real life recording of your body's second line of defense. What body system is responsible for defending the body from invaders?

How do you think advancements in science technology have increased our understanding of microscopic cells?

Group Chat Questions:

Has anyone been to a different country? If so who, and where did they go?

Does anyone have a special talent? If so who and what is it?

Is anyone in your group new to this district? If so who, and where did they move from?

What is one thing that everyone in your group has in common?

Station 3: Name that Scientist

Complete the QR Code Challenge and write in your answers in the chart below.

1.	2.	3.	4.	5.
6.	7.	8.	9.	10.

Station 4: What is Biology Anyway?

After researching the science of Biology, complete the sentence below:

Biology is...

Now show me your creativity and transform the letters below to reflect the science of Biology. (Think about important concepts that we will be learning about this year such as plants, cells, animals, viruses, DNA, and more.)

B I O L O G Y

Group Chat Questions:

Does anyone in your group play a sport or participate in an extracurricular activity? If so, then who and what do they do?

What are you most nervous about for this school year?

What class are you most looking forward to?

What class are you least looking forward to?

Station 5: Is this For Real?

Record your answers below by writing the fact number in its appropriate category.

True								
False								

Which true facts were the most surprising to you?

Were there any false facts that you thought were true, if so which one?

Group Chat Questions:

If you had to eat one food for the rest of your life, what would it be? Write down all of your group members answers.

If you could drive any type of car, what would it be and why? Write down all of your group members answers.

If you could travel to any place in the world, where would you go? Write down all of your group members answers.

Station 6: Strawberries have DNA?

Follow the instructions on the lab sheet to extract the DNA from a strawberry!

What did you observe when you first added the isopropyl alcohol to the strawberry extract?

What did you observe when you used the popsicle stick to dip into the strawberry extract?

What did the DNA look like? Was it different than what you thought it would look like?

Why did it not look like a double helix?

If strawberries have DNA, do you think that other foods also contain DNA? Explain your answer.

Research the structure of DNA, and sketch a picture of what it looks like below: