**Jigsaw Activity for Understanding Phage Immunity Systems:**

**Scientific Reading and Communication**

**Student Activity**

***Student Instructions***

Part 1: Introduction to Phage Immunity Systems

Each student is asked to read the **Introduction** of the assigned journal article on Phage Immunity Systems.

1. What is the overall objective?
2. What previous research findings are they building on?
3. What hypothesis are they testing?

Part 2: Focus Groups

Your group has been assigned a figure or table from the assigned article to analyze. To aid in your understanding of your figure or table, you should read the section of the methods that corresponds to experiments that generated the data you are analyzing.

1. What is the purpose of the experiment?
2. What method(s) did the authors use?
3. What were the results?
4. What do the results mean?
5. How do these results fit into the overall goal of the paper?

Part 3: Peer to Peer Learning

Groups have been recombined and you are now in a new group with different group members. In this configuration, each member of the group will present and explain their figure or table to the other group members.

Part 4: Class Discussion

The whole class meets together to discuss the entire paper .

1. What were the main findings?
2. What are the next steps to further this research?
3. How did cooperative learning on this assignment provide you with insight on how to be a scientist?