

Launch Event+ Structure of a Virus + Virus Reproduction

5mins- Bell Ringer #1

10mins- **ENGAGE** Launch Event: Time Magazine letter

Students will read the Time Magazine letter together. Students will understand the final goal of the unit and be able to answer the driving question at the end of the unit.

10mins-“What do we need to know?” chart

Student will compile a list of what they know already and what they need to know on a chart. They will be able to organize their thoughts into a chart. This chart will be visible to guide student thinking and learning throughout the unit in order to not get distracted from the main objective.

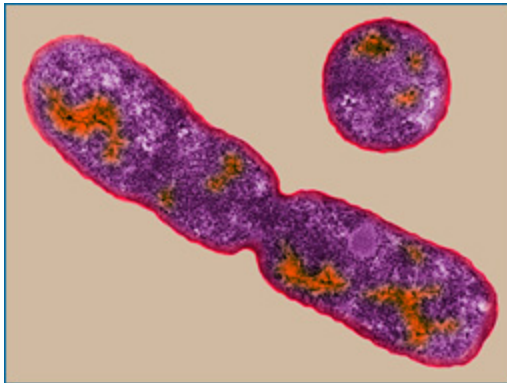
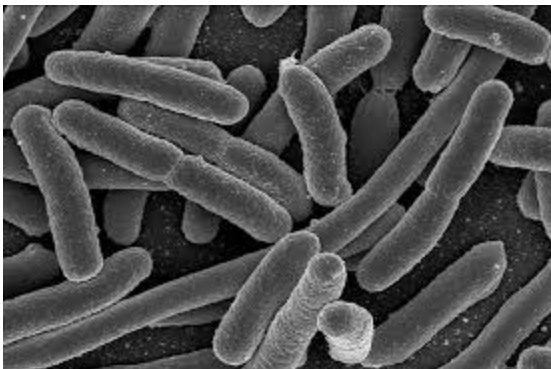
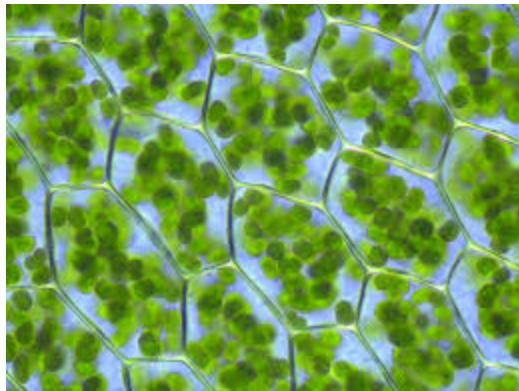
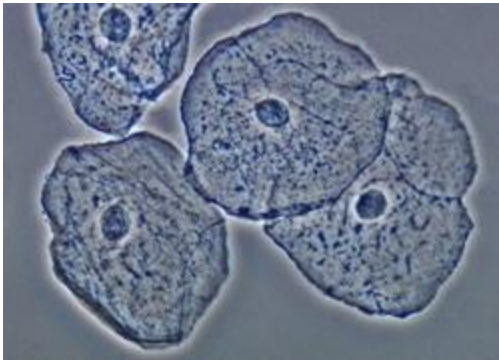
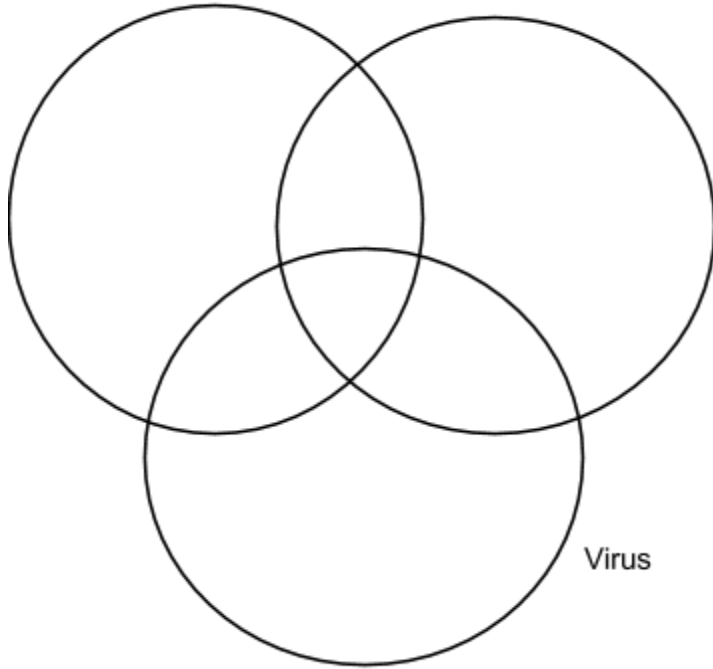
| What we Know | Need to Know |
|--------------|--------------|
| | |

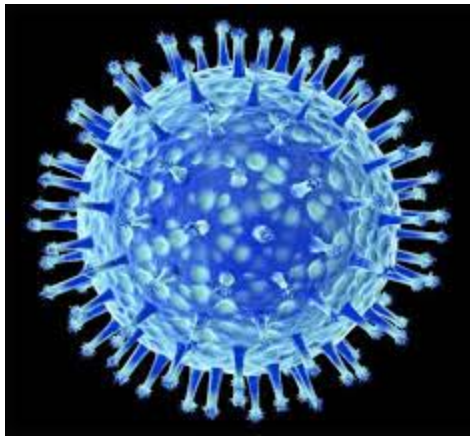
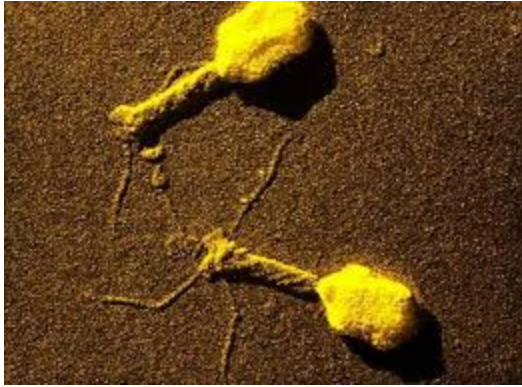
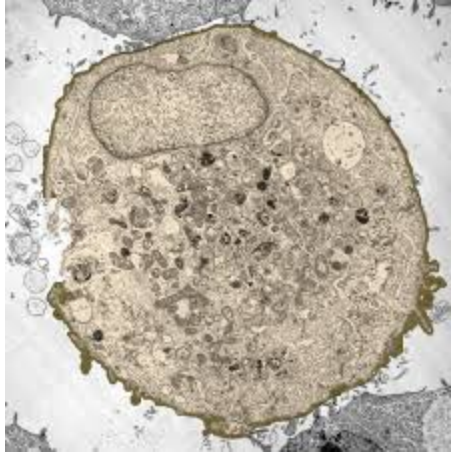
25mins-Structure of Virus Lesson + Activity

Students will be shown different picture of animal, plant and bacterial cells and virus. Students will organize the pictures into a venn diagram to the best of their ability. They will also write in complete sentences and articulate in class/group discussions why they put a picture into a specific circle.

Animal & Plant Cell

Bacterial Cell





5mins- **EVALUATE** Exit Ticket #1

5mins- Bell Ringer #2

10mins- **EXPLORE** Continue Structure of Virus

10mins- **EXPLAIN** Virus Structure Discussion

Students will hypothesize how structure might influence viral function. Students will write their hypothesis in before the lecture.

| Structure | Function |
|------------------|----------|
| capsid | |
| capsomere | |
| envelopes | |
| helical symmetry | |
| | |

25mins-Virus Reproduction Lesson + Team Polling
5mins- **EVALUATE** Exit Ticket #2