

## **Video clips used during lectures**

### **Chapter 1**

Big Band Theory Homeostasis [http://www.youtube.com/watch?v=gxoDUz\\_UMMg](http://www.youtube.com/watch?v=gxoDUz_UMMg)

### **Microscope Unit**

Compound light Microscope Parts and Operation Tutorial (8:12 )  
<http://www.youtube.com/watch?v=jLpBmm5XuSk>

Onion/Cheek: Preparing Animal and Plant Cell Slides (3:28)  
<http://www.youtube.com/watch?v=GHnndVuaync>

Making a Wet Mount (1:52) <http://www.youtube.com/watch?v=43BvqjipgJjY>

### **Chapter 22-23 (plants)**

Unwinding the Cucumber (thigmotropism) on iPad  
SciFri app 8/13/12

### **Chapter 6**

James Watson radio interview (addresses the Franklin issue) on iPad  
SciFri app 3/12/13

### **Chapter 8**

1, 2, 3 Photosynthesis! <http://www.youtube.com/watch?v=yrQzEw9xY5k>

The Photosynthesis Song--Swift Daniel Lim  
<http://www.youtube.com/watch?v=gzmfrs69od8>

Cellular Respiration Song Mr. Hsu  
<http://www.youtube.com/watch?v=3aZrkdzrd04>

## Chapter 9

Mitosis from video  
<http://www.youtube.com/watch?v=VIN7K1-9QB0>

Mitosis (internet)  
<http://vcell.ndsu.edu/animations/mitosis/movie-flash.htm>

## Chapter 12

Bio: The DNA Replication Song <http://www.youtube.com/watch?v=iHKNbhgaylg>

DNA replication animation Interact Medical  
<http://www.youtube.com/watch?v=zdDkiRw1PdU>

DNA replication animation Mrjon the tube  
<http://www.youtube.com/watch?v=AGUuX4PglCc>

DNA replication –includes transcription and translation) (7:46)  
Cool Science Videos [http://www.youtube.com/watch?v=yqESR7E4b\\_8](http://www.youtube.com/watch?v=yqESR7E4b_8)

DNA and RNA transcription video—real time (7:46)  
<http://www.youtube.com/watch?v=TSv-Rq5C3K8>

mRNA mG cap and polyA tail (2:30)  
<http://www.youtube.com/watch?v=DoSRu15VtdM>

From RNA to Protein Synthesis Michael Freudger  
<http://www.youtube.com/watch?v=NJxobgkPEAo>

Scishow: Epigenetics <http://www.youtube.com/watch?v=kp1bZEUgqVI>

## **Chapter 10**

Gregor Mendel's experiment      Mendel's Pea Genetics (the experiments that changed the world) <http://www.youtube.com/watch?v=6NvESo3mG90>

100 Greatest Discoveries: Episode 6-Genetics  
[www.youtube.com/watch?v=9tgJesmMt1A](http://www.youtube.com/watch?v=9tgJesmMt1A)

## **Chapter 11**

vimeo site: Huntington's Disease: Interview with Jeff Carroll  
<http://vimeo.com/15786578>

E:60 Feature: The Blood Brothers (curing sickle cell in Boozer's son)  
<http://www.youtube.com/watch?v=mWU22DG002c>

## **Chapter 15**

Evolution Primer #2: Who was Charles Darwin?  
<http://www.youtube.com/watch?v=vmphlbRhLu8>

Lamarck and epigenetics      <http://www.youtube.com/watch?v=4HBdxDBqfHc>

Lamarck vs Darwin (ven diagram)  
<http://www.youtube.com/watch?v=V8KIvICfGEM>

## **Chapter 2-5 (ecology)**

Wild Condors (endangered species) on iPad 9/28/12

Horseshoe crab (migration/reproduction) on iPad 12/31/00

Rabbits in Australia (foreign species)  
<http://www.youtube.com/watch?v=pgPhn4tYxIQ>

Cane toads in Australia      <http://www.youtube.com/watch?v=DPXiegODB5c>