



## Our Lesson Plan Outline

*Subject to Change*

*"...from so simple a beginning endless forms most beautiful and most wonderful have been, and are being, evolved" C. Darwin*

**Week of: 11/27/17**

In Conjunction with Indiana State Standards at: [www.doe.in.gov/standards/biology-resources](http://www.doe.in.gov/standards/biology-resources)

Monday	Tuesday	Wednesday	Thursday	Friday	Next Week
Per's 2,3,6: General Biology	Per's 2,3,6: General Biology	Per's 2,3,6: General Biology	Per's 2,3,6: General Biology	Per's 2,3,6: General Biology	General Biology
Lecture: History, Shape, and Size of Cells	Lecture: Main Structures (3) of A Typical Cell  Visual: Oreo Cookie Membrane  ICA/OCA: Color "Membrane"	<b>DUE:</b> Color  <b>Mini-Lab:</b> Bubble Membranes  OCA: SG "History, Shape, Size, and Main Structures"  Study Session @305	<b>DUE:</b> SG  <b>QUIZ:</b> History, Shape, Size and Main Structures  Lecture: Major Organelles / Structures  OCA: Color "Animal vs Plant"	<b>DUE:</b> Color  ICA: Learning before Lecture - bring textbook - bring snack/drink	Lecture: Major Organelles/Structures -handout Summary Chart  Lecture: Differences in Cells  <b>Mini-Lab:</b> Zinger Bacteria Model  <b>Lab:</b> Animal vs Plant Cells  ICA: Song (tba)
HW: TRAVEL	HW: TRAVEL/Color	HW: TRAVEL/SG/Study	HW: TRAVEL/Color	HW: TRAVEL	
Per 4: Advanced Biology	Per 4: Advanced Biology	Per 4: Advanced Biology	Per 4: Advanced Biology	Per 4: Advanced Biology	Advanced Biology
<b>QUIZ:</b> Light Dependent Reaction  Lecture: Light Independent Reaction  OCA: Color "Calvin Cycle"	<b>DUE:</b> Color  Lecture: Light Independent Reaction  <b>Lab:</b> Production of Starch Part I  OCA: Puzzle Review	<b>DUE:</b> Puzzle  Lecture: C4 and CAM  ICA/OCA: SG "Light Independent Reaction"	<b>DUE:</b> SG  <b>Lab:</b> Production of Starch Part II - Q/A <b>DUE</b> by periods end	ICA: Summary Chart  TRAVEL Time	<b>DUE:</b> Chart  <b>QUIZ:</b> Light Independent Reaction  <b>DUE:</b> TRAVEL  <b>TEST</b>
HW: TRAVEL/Color	HW: TRAVEL/Puzzle	HW: TRAVEL/SG	HW: TRAVEL	HW: TRAVEL/Chart	
Per 5: Anatomy / Physiology	Per 5: Anatomy / Physiology	Per 5: Anatomy / Physiology	Per 5: Anatomy / Physiology	Per 5: Anatomy / Physiology	Anatomy / Physiology
<b>Lab:</b> Contraction/Pulse/Pressure	<b>Lab:</b> Contraction/Pulse/Pressure -Q/A <b>DUE</b> by periods end	Lecture: Blood  ICA/OCA: Color "Blood"	<b>DUE:</b> Color  <b>Lab:</b> Blood Part I "Cells/Tissue" -Q/A <b>DUE</b> by periods end	ICA: Review Puzzle  Webquest Time	<b>DUE:</b> Puzzle  <b>Lab:</b> Blood Part II "Making"  Lecture: Rh Factors / Conditions  Video: Heart Attack ~ 30 mins  <b>QUIZ:</b> Contraction/Blood/Conditions  <b>DUE:</b> Webquest (12/8)
HW: TRAVEL/WQ	HW: TRAVEL/WQ	HW: TRAVEL/WQ/Color	HW: TRAVEL/WQ	HW: TRAVEL/WQ/Puzzle	
Per 7: Botany / Zoology	Per 7: Botany / Zoology	Per 7: Botany / Zoology	Per 7: Botany / Zoology	Per 7: Botany / Zoology	Botany / Zoology
VSP Time  TRAVEL Time	<b>Lab:</b> Fruit Dissection	<b>Lab:</b> Fruit Dissection -Q/A <b>DUE</b> by periods end	Lecture: Basic Seed Germination and Anatomy -handout  ICA/OCA: Color "Mono/Dicot"  ICA/OCA: SG "Pollination → Germination"	<b>Field Trip:</b> Botanical Gardens - 9am in foyer - \$5 admission - \$ lunch - assignment (tbd) - pencil/pen - clipboard  Color / SG / VSP Time	<b>DUE:</b> Color/SG  <b>Lab:</b> Seed Germination  <b>QUIZ:</b> Pollination → Germination  <b>Mini-Lab:</b> Un-ripe vs Ripe Bananas  Video: Core: "Plant Science" ~30 mins  <b>DUE:</b> 12/15 Vascular Seed Plant Lab
HW: TRAVEL/VSP	HW: TRAVEL/VSP	HW: TRAVEL/VSP	HW: TRAVEL/VSP/Color/SG	HW: TRAVEL/VSP/Color /SG	

ICA / ICD = "In Class Assignment/Activity / Demo"  
OCA = "Out of Class Assignment/Activity"

HW = "Homework"  
SG = "Study Guide"  
TRAVEL = Reading/Vocabulary Assignment(s)/Quiz

SS = "Study Session"  
GD = "Google Drive" Shared Folder