

## ARC Week at Glance: IB Biology Year 2 (Ms. West)

**Topic: Form & Function Organisms: Gas Exchange & Transport**

**Course: IB Biology Year 2**

**Grade: 12      Dates: Feb 3 - 7**

Note: For lesson resources, handouts, etc., please see our Canvas Course.

**This week's Homework Focus:** B3.2 Kognity Topics, IA Revisions

	Learning Target (I am learning about...)	Criteria for Success (I can...)	Activation/ Instruction	Collaboration/ Guided Practice	Independent Learning/ Assessment
			<i>(Include at least one/two formatives*in any part of the lesson as needed)</i>		
<b>Monday</b>	I am learning about leaf structure and transpiration	I can <ul style="list-style-type: none"> <li>Identify the structures of the leaf</li> <li>Describe factors that affect transpiration rates in plants</li> <li>Calculate stomatal density</li> </ul>	Math Monday Do Now	Stomata Density Microscopy Lab  Leaf Structure Plan Diagrams  Xylem and Phloem structures and functions	Ventilation Lab Assessment Check   TOTD: Stomatal Lab Density Lab Conclusions
<b>Tuesday</b>	I am learning about measuring the rate of transpiration	I can <ul style="list-style-type: none"> <li>Design an experiment to measure the rate of transpiration</li> </ul>	Test Prep Tuesday – CER Practice Question (writing claim, evidence, & reasoning)	Transpiration Rate Virtual Lab – factors that affect rates of transpiration	Transpiration rate lab conclusions
<b>Wednesday</b>	I am learning about heart structures and functions.	I can <ul style="list-style-type: none"> <li>Draw and label the mammalian heart</li> <li>Outline the flow of blood through the heart</li> <li>Compare the structures of blood vessels</li> <li>Explain heart sounds and functions</li> </ul>	WIS WIM Do Now – Summarizing Sentences and Question Writing	Transport System Structure and Function Stations Activities – Day 1	Gas Exchange Midweek Assessment Check

<b>Thursday</b>	I am learning about heart structures and functions.	I can <ul style="list-style-type: none"> <li>• Draw and label the mammalian heart</li> <li>• Outline the flow of blood through the heart</li> <li>• Compare the structures of blood vessels</li> </ul> Explain heart sounds and functions	Throwback Thursday Do Now – MCQ & <b>Justification Writing</b>	Transport System Structure and Function Stations Activities – Day 1	<b>Flood of Blood Through the Heart Outlines</b> <b>formative check TOTD</b>
<b>Friday</b>	I am learning about heart structures and functions.	I can <ul style="list-style-type: none"> <li>• Draw and label the mammalian heart</li> <li>• Outline the flow of blood through the heart</li> <li>• Compare the structures of blood vessels</li> <li>• Explain heart sounds and functions</li> </ul>	FRQ Friday Do Now – <b>Free Response Answer Construction</b> & Self-Assessment	Transport System Structure and Function Stations Activities – Day 1	<b>Heart Structure Assessment Check</b>

**Literacy Tasks**

**Minor Assessment**

**Major Assessment**