



BOARD PROTOCOL: SAMPLE

THE BOARD *ENABLES* TEACHERS TO CONVERT *INTENTION INTO ACTION*

EXAMPLE – GRADE 09 | BIOLOGY SESSION

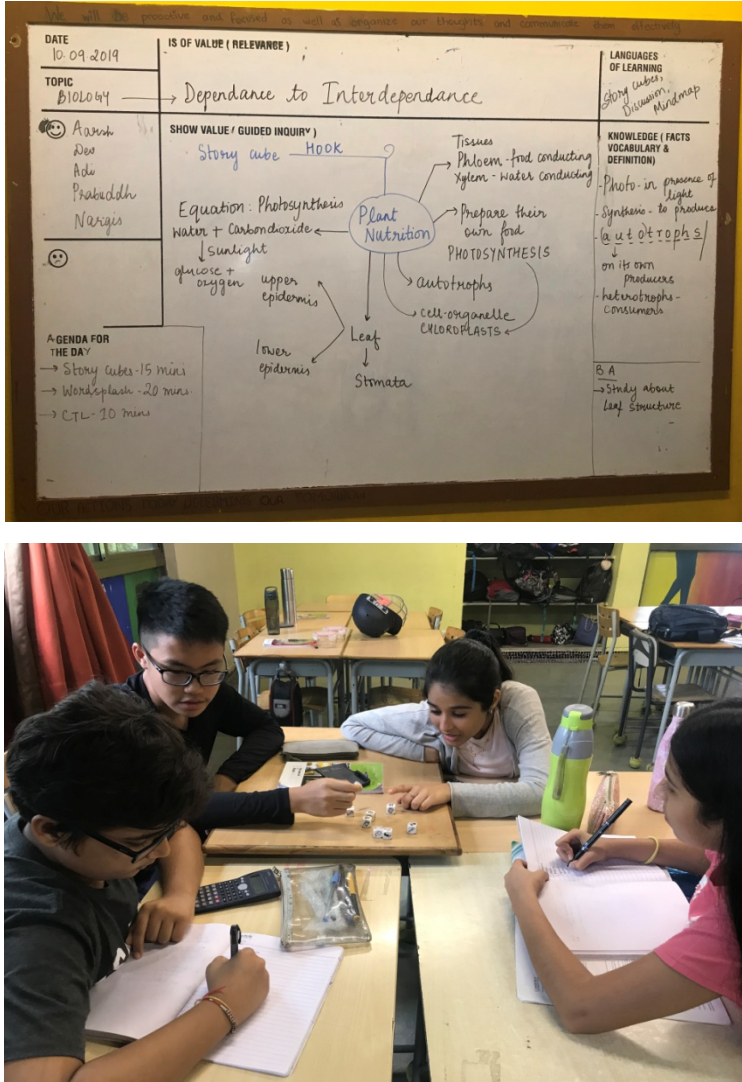
TOPIC	Plant Nutrition
OBJECTIVE(S)	Students will get to understand the concept of dependence to interdependence in plants.
VOCABULARY	Photosynthesis, Autotrophs, Heterotrophs, producer, consumers
LOL/RESOURCES	Story Cubes, Mind map / Splash of words, Discussion

SESSION FLOW	DESCRIPTION	TIME
PRE-WORK	On basis of the previous knowledge	
SESSION	<i>Students will be able to get an understanding of how plants are dependent on the natural resources for nutrition.</i>	
SETTING	<ul style="list-style-type: none"> o Take this time to set the class. Have students organize their tables and work. o Check seating arrangement, ventilation, notebook o Get students to open their work, as needed. o Teacher will make sure that the students are ready for the session. 	2 MINS
HOOK/ RECONNECT	Story Cubes: Weave your own story	
TEACHER INSTRUCTION TIME	<ul style="list-style-type: none"> o Teacher divides the class into groups for the hook activity. o Then teacher will roll down the cubes and students will note down all the elements that are flashed on the dice. o Students will get 10 mins to weave their own group story and the act. o The dices will be rolled for different groups and they start working on it. o Students will start with the story formation and present it in front of everyone. 	30 MINS

PERSONAL AND PROFESSIONAL DEVELOPMENT PILLAR

SESSION FLOW	DESCRIPTION	TIME
TEACHER INSTRUCTION TIME	<ul style="list-style-type: none"> ○ Teacher will then take a feedback from students about the activity. ○ Students try the connection making process. ○ Teacher then introduces them to the term photosynthesis – photo – in presence of light and synthesis – to produce. ○ Teacher then gives them an analogy of how they also synthesized their own stories with the help of different elements of dice. ○ Teacher then co-creates a mind map of the unit – Plant Nutrition with the students. 	
PAUSE	Go back to the objective – Teacher then gives them an analogy of how they also synthesized their own stories with the help of different elements of dice.	
POU	Stories using the Cubes and Mind map – Splash of words	
NOTE TAKING / QUESTION PROTOCOL	Students will be taking notes of the mind map.	
KEY TAKEAWAY OF CONTENT	Students to be able to come up with understanding of the process of how plants and other resources in nature are interdependent on each other. Also, how they prepare their own food through photosynthesis process.	
CLOSING THE LOOP USING THE BOARD	The loop was closed with the value of ‘Dependence to Interdependence’. The main objective of the session was to introduce them to Plant Nutrition unit. (BA – Study about the structure of leaf)	10 MINS

SESSION FLOW	DESCRIPTION
<p>REFLECTION (was it of value)</p> <p>Did the session go as planned – yes/ no – if no- why?</p> <p>Which student needs attention?</p>	<p>The session went well as it was an interactive one.</p> <p>Yes, it did go as planned.</p> <p>All the students were quite attentive and gave appropriate answers. Mansi had to go for Art and Design session. Hence, was not present in the session.</p>

PHOTOGRAPHIC EVIDENCE	
	<p>The whiteboard mind map is titled "Dependance to Interdependence" and "Plant Nutrition". It details the process of photosynthesis, including the equation: $\text{Water} + \text{Carbon dioxide} \xrightarrow{\text{Sunlight}} \text{glucose} + \text{oxygen}$. It also lists plant parts like the Hook, Tissues, Phloem, Xylem, Leaf, and Stomata, and mentions "Autotrophs" and "Chloroplasts".</p> <p>The photograph below shows four students sitting at a table, engaged in a learning activity. They are looking at materials on the table and writing in their notebooks.</p>

EXAMPLE - BOARD PICTURE

We will be proactive and focused as well as organize our thoughts and communicate them effectively

DATE 10.09.2019	IS OF VALUE (RELEVANCE) Dependance to Interdependance	LANGUAGES OF LEARNING Story cubes, Discussion, Mindmap
TOPIC BIOLOGY	SHOW VALUE / GUIDED INQUIRY	
😊 Aarsh Dev Adi Prabiddh Nargis 😞	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Equation: Photosynthesis</p> <p>Water + Carbon dioxide</p> <p>↓ sunlight</p> <p>glucose + oxygen</p> </div> <div style="width: 45%; text-align: center;"> <p>Hook</p> <p>Plant Nutrition</p> <p>Prepare their own food</p> <p>PHOTOSYNTHESIS</p> <p>autotrophs</p> <p>cell-organelle</p> <p>CHLOROPLASTS</p> </div> </div> <div style="margin-top: 20px; text-align: center;"> <p>Leaf</p> <p>↓</p> <p>Stomata</p> </div> <div style="margin-top: 20px; text-align: center;"> <p>upper epidermis</p> <p>lower epidermis</p> </div> <div style="margin-top: 20px; text-align: center;"> <p>Tissues</p> <p>Phloem - food conducting</p> <p>Xylem - water conducting</p> </div>	
AGENDA FOR THE DAY → Story cubes - 15 mins → Wordsplash - 20 mins. → CTL - 10 mins	KNOWLEDGE (FACTS VOCABULARY & DEFINITION) - Photo- in presence of light - Synthesis - to produce - <u>autotrophs</u> ↓ on its own producers - heterotrophs - consumers	
B A → Study about leaf structure		

OUR ACTIONS TODAY DETERMINE OUR TOMORROW

