

# Session Plan

## Subject: BIOLOGY

Class:	XII
Chapter Serial Number	6/7
Name of the Chapter:	SEXUAL REPRODUCTION IN FLOWERING PLANTS
Title of Learning Unit / Session	POST-FERTILISATION : STRUCTURES AND EVENTS
	ENDOSPERM, EMBRYO
Time Required	50 min

Learning Objective / Outcome (3 min)	<ul style="list-style-type: none"> <li>Understand the Post-fertilization structures and events</li> <li>Understand the development of Endosperm</li> <li>Understand the structure monocot embryo</li> <li>Draw the structure monocot embryo</li> <li>Understand the structure of dicot embryo</li> <li>Draw the structure of dicot embryo</li> </ul>
Previous Knowledge (2 min)	<ul style="list-style-type: none"> <li>Anatomy of a flower</li> <li>Various terms associated with description of a typical flower</li> <li>Terms associated with different modifications of Androecium</li> <li>Terms associated with different modifications of Gynoecium</li> <li>Pollen grain</li> </ul>
Gist of the Lesson for discussion (12 min)	<ul style="list-style-type: none"> <li>Post-fertilisation structures and events , Ddevelopment of Endosperm, The structure monocot embryo , The structure monocot embryo , The structure of dicot embryo , The structure of dicot embryo.</li> </ul>
Diagram / Link (10 min)	<a href="https://en.wikipedia.org/wiki/Megaspore">https://en.wikipedia.org/wiki/Megaspore</a> <a href="https://en.wikipedia.org/wiki/Megasporogenesis">https://en.wikipedia.org/wiki/Megasporogenesis</a> <a href="https://en.wikipedia.org/wiki/Endosperm#:~:text=The%20endosperm%20is%20a%20tissue.of%20nutrition%20in%20animal%20diet.">https://en.wikipedia.org/wiki/Endosperm#:~:text=The%20endosperm%20is%20a%20tissue.of%20nutrition%20in%20animal%20diet.</a>
Activity / TLO / Link to video / animation / etc (8 min)	<a href="https://www.youtube.com/watch?v=jy1Shat0cCI&amp;list=PLDQd5ylRrWvu2FEvjQcP8OgVeQWLoGmq3&amp;index=3">https://www.youtube.com/watch?v=jy1Shat0cCI&amp;list=PLDQd5ylRrWvu2FEvjQcP8OgVeQWLoGmq3&amp;index=3</a>

Recapitulation of the lesson ( 7 min)	Post-fertilization structures and events , Ddevelopment of Endosperm, The structure monocot embryo , The structure monocot embryo , The structure of dicot embryo , The structure of dicot embryo.
Instant test (Objective type- 5 questions (5 min)	Q.1 What is the ploidy of PEN ? Q.2 What is the full form of PEC and PEN ? Q.3 What is coconut water with reference to endosperm? Q.4 Describe the process of megasporogenesis in angiosperms having monosperic development using suitable diagram. Q.5 In the grass family the cotyledon is called _____ .
Home Assignments (Written work) 3 min	Q.1 Explain the development of endosperm in angiosperm. Q.2 Differentiate between albuminous and ex albuminous seeds. Q.3 Describe a typical dicot embryo using a suitable diagram? Q.4 Describe a typical monocot embryo using a suitable diagram?
Video Lesson for Home viewing	Link: <a href="https://youtu.be/iB5J2iw6yfg">https://youtu.be/iB5J2iw6yfg</a>  <a href="https://www.youtube.com/watch?v=jy1Shat0cCI&amp;list=PLDOd5ylRrWvu2FEvjQcP8OgVeQWLoGmq3&amp;index=3">https://www.youtube.com/watch?v=jy1Shat0cCI&amp;list=PLDOd5ylRrWvu2FEvjQcP8OgVeQWLoGmq3&amp;index=3</a>

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