

## LITERATURE REVIEW OF CBSE SYLLABUS

Our team is creating an application that facilitates simple and interesting ways of learning certain topics in Environmental Studies. I have gone through the CBSE syllabus from Standard 6 to Standard 12, in order to narrow down our target audience of students. The topic WIND ENERGY has been covered by subjects like Science, Geography, Environmental Studies and Physics.

SR. NO.	STANDARD	SUBJECT/TEXT BOOK	CHAPTER	TOPICS
1.	6	Science	15 : Air around us	<ul style="list-style-type: none"><li>• Basics about the composition of air</li><li>• Experiments to demonstrate properties of air</li></ul>
2.	7	Science	8 : Winds, Storms and Cyclones	<ul style="list-style-type: none"><li>• Air pressure</li><li>• Experiment using balloons</li><li>• Wind currents due to uneven heating</li><li>• Thunderstorms and cyclones</li></ul>
3.	7	Our Environment text book for Social Science	4 : Air	<ul style="list-style-type: none"><li>• Weather and climate</li><li>• Types of wind</li><li>• Air pressure</li></ul>
4.	8	Resources and Development text for Geography	3: Mineral and power resources	<ul style="list-style-type: none"><li>• Conventional sources</li><li>• Wind energy</li></ul>
5.	9	Resources and Development text for Geography	14 : Natural Resources	<ul style="list-style-type: none"><li>• The movement of air : Winds</li></ul>
6.	11	Fundamentals of Physical Geography text for Geography	10 : Atmospheric circulation and weather systems	<ul style="list-style-type: none"><li>• Forces affecting the velocity and direction of wind</li><li>• Land and sea breezes</li><li>• Mountain and valley winds</li></ul>

After the above analysis, I have observed that wind energy has been taught across 4 subjects from Standard 6 to Standard 11. Showing this topic using Blender 3D, we can make an interactive app that will allow students to learn this essential topic easily.