

### Lesson plan “Liberal studies” subject of Secondary 4-6

Duration (min)	Teaching purpose	Teaching activity	Teaching process
8’	Raise the interest of the students and explain to them what IAQ is.	Exercise and ask questions	<ol style="list-style-type: none"> <li>1. Complete Activity One Conclude: there are many factors affecting IAQ.</li> <li>2. Ask questions:               <ol style="list-style-type: none"> <li>(1) Have you ever heard of indoor air quality? (Students: Yes/No)</li> <li>(2) Do you think that the quality of indoor air is important? (Students: Yes)</li> <li>(3) Do you want to know what indoor air quality is and how to make our indoor air quality better? (Students: Yes.)</li> </ol> </li> </ol> <p>Today we will learn about IAQ.</p>
12’	Explain to students the importance of IAQ	Matching, Discussion	<ol style="list-style-type: none"> <li>1. Activity Two: Match the above (1) to (5) problems and their reasons (A) to (E).</li> <li>2. Activity Three: Pick up one scene from (1) to (5), and discuss the solutions.</li> </ol> <p>Emphasize the importance of IAQ (PPT slide 5).</p>
20’	Inform students about common pollutants of IAQ	Video	Play the video.
15’	Explain to students how to improve indoor air quality	Group discussion	<p>Activity Four: Students play role as architects. They will design a room of a hotel and IAQ is one of the considerations.</p> <ol style="list-style-type: none"> <li>1. Install air conditioning systems;</li> <li>2. Use carpets;</li> <li>3. Use wooden furniture.</li> <li>4. Put potted plants.</li> </ol> <p>Reference answers can be found in Handouts-teacher’s edition. Students are encouraged to search more information on relationship of above 1-4 actions and IAQ at websites provided in “Worldwide Views”.</p>
5’	Develop students’ critical thinking skills on tackling Radon problem	Information searching and discussion	<ol style="list-style-type: none"> <li>1. Activity Five: Discuss and suggest how to tackle the indoor <u>Radon</u> problem. (Key answer: Keep good ventilation with sufficient fresh air and open windows, adopt granite as construction and renovation material moderately.) Students are encouraged to search more information at websites provided in “Worldwide Views”.</li> <li>2. Make conclusion with an emphasis on the importance of ventilation.</li> </ol>