

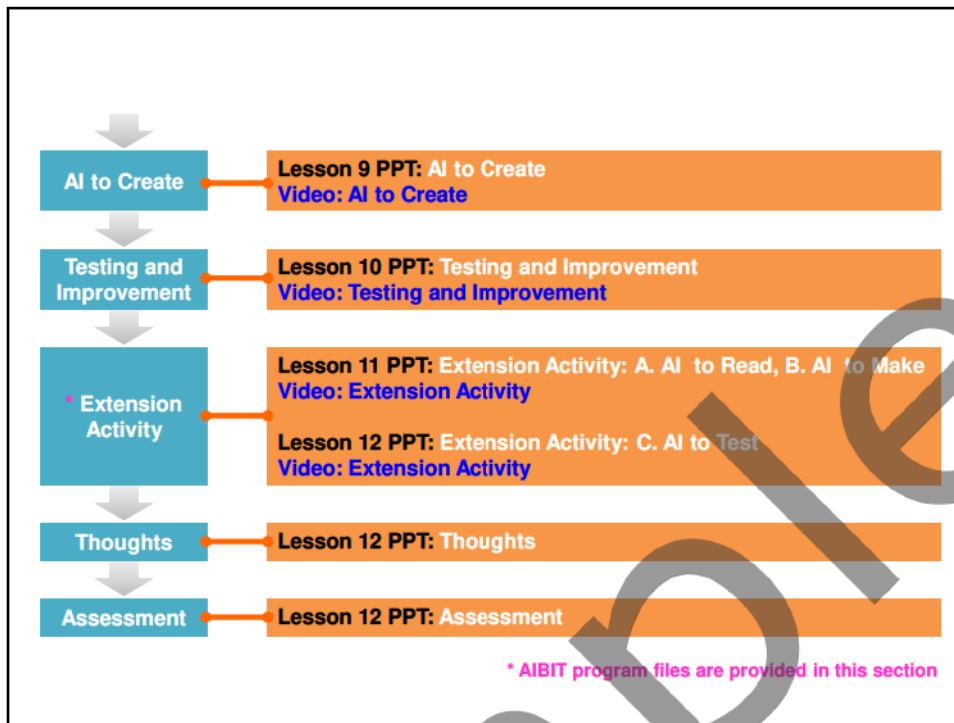
## Teaching Flow: Waste Classification System

Section	Teaching resources
Introduction	<b>Lesson 1 PPT: Scenario</b> <b>Lesson 1 PPT: Objectives</b> <b>Lesson 1 PPT: STEM elements</b> <b>Lesson 1 PPT: Suggested materials and tools</b>
AI to Read	<b>Lesson 2 PPT: AI to Read: What is waste classification?</b> <b>Lesson 3 PPT: AI to Read: Applications of AI object recognition technology</b>
AI to Think	<b>Lesson 3 PPT: AI to Think: Questions 1 – 3</b> <b>Lesson 4 PPT: AI to Think: Questions 4 – 5</b>
AI to Plan	<b>Lesson 4 PPT: AI to Plan</b>

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<p>↓</p> <p><b>* AI to Make</b></p> <p>↓</p>	<p><b>Lesson 5 PPT: AI to Make: A. Building a waste classification system</b></p> <ol style="list-style-type: none"> <li>1. Assembling the base of the rubbish bins</li> <li>2. Assembling the rubbish bins</li> <li>3. Assembling the whole waste classification system</li> <li>4. Assembling the lid of the rubbish bins</li> </ol> <p><b>Video: AI to Make (Building a waste classification system)</b></p> <p><b>Lesson 6 PPT: AI to Make: A. Building a waste classification system</b></p> <ol style="list-style-type: none"> <li>5. Setting up a program for calibrating the servos</li> <li>6. Installing the bin lids (Steps a – e)</li> </ol> <p><b>Video: AI to Make (Calibrating servos, installing the bin lids and connecting circuit components)</b></p> <p><b>Lesson 7 PPT: AI to Make: A. Building a waste classification system</b></p> <ol style="list-style-type: none"> <li>6. Installing the bin lids (Steps f)</li> <li>7. Connecting circuit components</li> </ol> <p><b>Video: AI to Make (Calibrating servos, installing the bin lids and connecting circuit components)</b></p> <p><b>Lesson 8 PPT: AI to Make: A. Building a waste classification system</b></p> <p><b>Video: AI to Make (Writing a program for controlling the rubbish bins)</b></p> <p><b>* AIBIT program files are provided in this section</b></p>
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