

Education Bureau
Territory-wide System Assessment 2025
Secondary 3 English Language

9EL1/2

Tapescript Part 3 (9EL1) & Part 2 (9EL2)

Narrator *Your school is going to join a STEAM competition. Your teacher has called a meeting to discuss what to create for the competition.*

Listen to the conversation and answer the questions. The conversation will be played twice. Do as much as you can the first time and answer all questions the second time. You now have 30 seconds to read the questions. (*music 30 secs.*)

The recording will begin now.

[Mr Wong – Teacher-in-charge] We're going to join the HK STEAM Competition. STEAM 'S-T-E-A-M' stands for 'Science', 'Technology', 'Engineering', 'Arts' and 'Mathematics'. The theme of the competition is 'Saving Manpower'.

Tina – Student (*worried*) We haven't joined this kind of competition before. We've only worked on inter-class science projects such as 'The Egg Drop Challenge' and 'DIY Volcanoes'.

Mr Wong – Teacher-in-charge Don't worry, Tina. We'll figure out what to do.

Tina – Student Can you tell us more about the competition?

Mr Wong – Teacher-in-charge Sure. Participants in this competition have to use artificial intelligence (AI) and Internet of Things (IoT) to create robots to save manpower. AI is a system which can act and think like a human. IoT is a device which uses sensors to collect data and respond intelligently to users.

Christy – Student I like the idea of saving manpower. We can create a robot to clean the whiteboards and sweep the floor in our school.

Peter – Student That sounds cool, but I have a different idea. How about creating a robot to deliver lunchboxes to students? It takes nearly half an hour for janitors to distribute lunchboxes to each class in Form 1 and Form 2 every day.

Christy – Student That's true. Form 1 and Form 2 students have their lunch at school. Each day, the janitors have to put their lunchboxes in large containers and distribute them to each class.

Peter – Student Wow, that's quite a lot of work for the janitors.

Mr Wong – Teacher-in-charge Robots with sensors can help them. The sensors will collect data so that the robots can find their way around the school.

Peter – Student	Great idea! Let's build one for distributing lunchboxes.
Tina – Student	What materials should we use to build a delivery robot?
Mr Wong – Teacher-in-charge	Most people use metals, such as steel, aluminium or iron. Instead, we'll use more flexible and environmentally-friendly materials, such as recycled cardboard and bottles.
Christy – Student	Can you tell us more about this, Mr Wong?
Mr Wong – Teacher-in-charge	The robot should be made of hardware and software. Hardware, such as microchips, is used to store and process data. We also need some software for the robot's movement.
Tina – Student	<i>(excited)</i> That's great! What should we do first?
Mr Wong – Teacher-in-charge	Let's design the appearance of the robot first. Then, we can buy the materials and software.
Christy – Student	How much time do we need to build it?
Mr Wong – Teacher-in-charge	About a month, I think – two weeks to order things online and a week for putting the robot together. The final stage is to perform testing and check whether the robot works. This takes another week.
Tina – Student	After building the robot, what else do we need to do for the competition?
Mr Wong – Teacher-in-charge	In the first round, students need to demonstrate to the judges what their robots can do. The top four schools in the first round will enter the final round. They then have to give a presentation and answer questions from the judges. The winner will get a trophy and book coupons worth a thousand dollars.
Tina – Student	When is the deadline for enrolment?
Mr Wong – Teacher-in-charge	26 th October... <i>(fade out)</i>]
Narrator	Now, listen to the recording again. <i>{Repeat []}</i>
Narrator	You have 30 seconds to check your answers. <i>(music 30 secs.)</i>
	This is the end of Part 3/2.
	This is the end of the listening paper.