Appendix to Teacher Information Pack

TeenTech City of Tomorrow – Running Order Guide			
This plan shows how you can deliver the programme using the TeenTech Live Sessions and our worksheets.			
Activity	**Key information**	**Objectives**	**Support students**
LIVE BUILD DAY Welcome: Virtual introduction to project	Presentation about the Build Activity (delivered by TeenTech in the 'live' session) You will be sent a link to this which will be broadcast on YouTube	Set the agenda for project	Ensure pupils are sat at their tables, preferably in their teams. Have paper and pencils ready/worksheet templates
TeenTech City of Tomorrow Challenge will be set by TeenTech with industry experts in our 'live session' .	Pupils are set the challenge of being the architects, designers and engineers of the future to create their City of Tomorrow.	Engage the pupils with the concept of the day, engaging them with the challenges we face and the opportunities available to them.	Encourage pupils to listen to the presentation so they understand the activities. Interaction encouraged via safe chat box under video- help with submitting responses
Task 1: Global and local challenges	In teams pupils complete **Worksheet 1,** identifying global and local challenges we are facing in how we live work and play.	To help pupils see the macro challenges we face in our environment for example, climate change and hyper-local needs in their communities. Use our skill certificates throughout this and all the following activities to reward pupils when they demonstrate: Leadership,	Provide suggestions for pupils thinking about global and local challenges. Encourage them to think about what they would like to improve in their city.

		Communication, Conflict resolution, Resilience Innovative thinking and Teamwork.	
After TeenTech City of Tomorrow Live Build session: **Task 2: Choosing your building**	Pupils will have seen different types of exciting buildings and now need to decide what building they are going to create. Then in teams pupils complete **Worksheet 2.** Planning their building.	Pupils to work in teams to decide which buildings are important to them and how they can shape the cities of tomorrow. Pupils develop team working and communication skills.	Help pupils decide quickly which building they want to create. Also if the team has different ideas suggest multi-purpose buildings combining their ideas.
Task 3: Design your building	Pupils can sub-divide their team to cover different aspects - design, technology and engineering- to consider different elements of their building. **Worksheets 3a, b and c**	Pupils are made aware of different roles within construction and have to work together to create the best building design considering these different roles. Pupils develop critical thinking skills as they consider the most useful ideas to incorporate	Encourage pupils to work together. They don't have to be in the same team to input ideas about design, technology or engineering. All elements need to work together to create a great building.

Task 4: Creating your building	Pupils have a selection of recycled materials to create their buildings **OR** access to CAD system or materials to draw their ideas.	Pupils work in teams to bring their buildings to life. They are developing valuable skills during the process and exploring the different roles in modern industry.	Pupils remain under teaching staff supervision Please ensure they engage with the activity safely and all materials are used correctly, under supervision and in line with school policy.
Task 5: Presenting your ideas	Each team can talk about their model building and describe it to the rest of the class. **Worksheet 4**	Help pupils develop confidence, communication and presentation skills by sharing their ideas with the wider group and celebrate their achievements	Encourage pupils to talk confidently about their ideas.
Upload your designs to the TeenTech website	Each school will submit an agreed number of projects to be reviewed by our experts. Our project manager will let you know how many well before the date.	Depending on the number of designs you may need to ask the pupils to vote for the buildings they think should go forward to the experts for feedback.	Use the link provided on the TeenTech City of Tomorrow resources page
Live feedback and questions with industry experts using the same link as kick off session delivered by TeenTech (end of term)	TeenTech will lead a lively session with industry experts providing feedback on projects from your school. Your pupils can send in questions either on the day or in advance	Pupils develop communication skills and learn more about careers, skills and learning applied. Useful to include as part of your Career Related Learning programme	Encourage pupils to think of the questions they really want to ask. No question is a 'silly' question.