

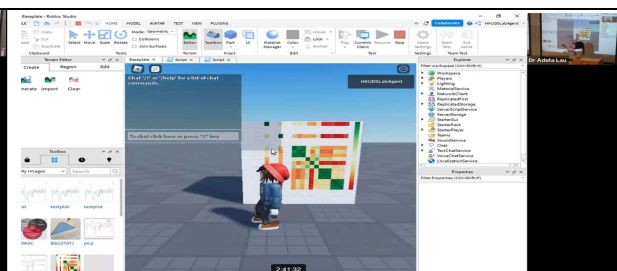
The STEAM Education: “Mixed Reality in Metaverse” Workshop in HKU Junior Science Institute (JSI) Experience Room of HKUCampusland



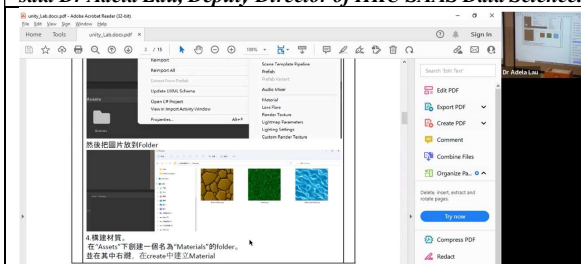
The HKUCampusland metaverse has a Junior Science Institute (JSI) experience room for connecting the juniors in Hong Kong secondary school with HKU faculties, and for nurturing the theory, concepts, applications, and integration of Science, Technology, Engineering, Arts, and Mathematics (STEAM) to the juniors for innovation creation. On Nov 12, Faculty of Science and SAAS DS Lab organised a “Mixed Reality in Metaverse” workshop in the HKU Junior Science Institute (JSI) experience room at HKUCampusland. Thirty students in Year 9, Form 5 and Form 6 joined the workshop. On that day, students designed and created their avatars, learnt some basic concepts of statistics, AI, and data visualisation, and had some hands-on programming experience in Roblox and Unity for implementing objects and scenes in the metaverse. Students used the meta goggle to experience the mixed reality that manipulates objects from real world to virtual world, and manipulates objects from virtual world to real world. Students will further participate our HKUCampusland project to implement the scenes and objects in HKUCampusland for their school or HKU in Spring and Summer 2023. We used metaverse to connect the junior students in secondary school, the senior students, and faculties in HKU!



“Students are excited and jumped over the HKUCampusland,” said Dr Adela Lau, Deputy Director of HKU SAAS Data Science.



“Students loves learning statistics and AI for data analysis and data visualisation,” said Ms Julie Wu, tutor of the JSI workshop.



“Students did amazing job in creating the objects in metaverse. Students enjoyed creating their land in metaverse,” said Mr Kelvin Kong, tutor of the JSI workshop.



“Thank you for Dr Lau and HKU SAAS DS Lab giving kids a great opportunity to learn more about Roblox an AI Metaverse. Really appreciate your guidance and support, said Mr Nitin Khobia, a parent of a kid in KGV School.