

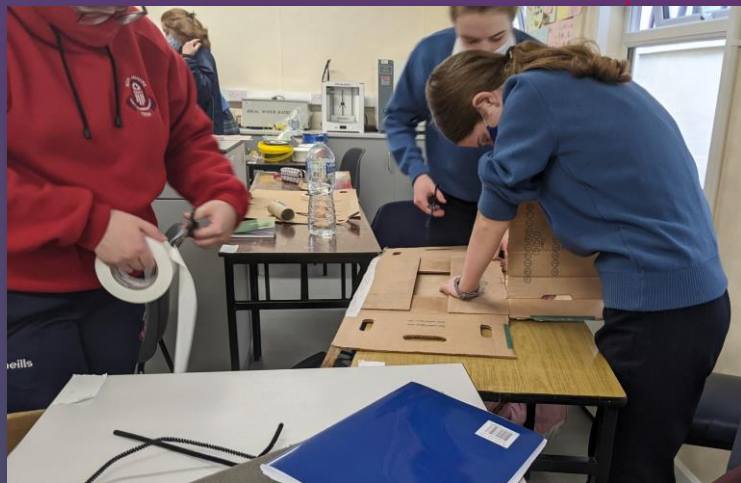
*“ Thanks to EIT we were able to enhance manufacturing skills among the younger generation and support their key influencers - teachers. We used a Design Thinking approach to encourage young people to solve health issues in their community using manufacturing technology.”*

## CHALLENGE AND SOLUTIONS

Teachers are keen to embrace new technology in the classroom and to guide their pupils along future career paths, but sometimes lack the most up-to-date information about manufacturing and associated careers. Using Design Thinking as a framework, our project upskills second-level teachers in using 3D printing to approach a health challenge with their pupils; at the same time, introducing them to careers and role models in virtual prototyping and manufacturing research.

## TIMING AND MILESTONES

- Development of teacher training content, including resources and teacher & pupil handbooks
- Online learning for teachers over a series of sessions, Sept- Nov
- Technical support & teacher networking offered on an ongoing basis
- Pupil classroom challenges – Sept-Dec
- Challenge finals – national & European – December



## MAIN PROJECT RESULTS



- 36 second-level teachers upskilled in 3D printing in Ireland, the UK and Portugal
- 1,200 second level pupils participating in 3D design challenge



- Showcase of virtual prototyping software to teachers
- National & European showcase events



- Technical support provided for teachers
- Social channels for teacher networking