

WORKSHOP AGENDA Innsbruck

STEAM & STEAMTEACH Overview

← The first section presents a project overview and first interviews with five Austrian expert teacher trainers relating to a STEAM framework to build a portfolio of integrated STEAM projects:

Professional Development Framework worked examples inc curricular context

← This section starts with a detailed sports project worked example including curricular context and illustrating **Project Based Learning: content integration, problem-centred, inquiry-based, design-based and cooperative learning** approach.

Analysing Sporting Performance Movement

3D Modeling and Printing, Microgames

Zero Cost Energy Bike, Chain Reaction - create your own¹

It provides links to an existing HP multi-user course, Youtube explanatory videos and a link to the free TRACKER movement capture software. This section continues with a 3D Modeling and Microgames overview, both described in downloadable Professional Development Framework documents. It is followed by two further projects: Zero Cost Energy Bike and Chain Reaction, in which teachers might build in their own curricular contexts

STEAM collaborative teachers group project(s)

← Teacher trainers work with teachers in small groups to: develop their own ideas, identify any support requirements of Linz, delivery into the classroom, assessment/grading, collaboration, networking arrangements and next steps, 2 - minute presentation inc next steps

STEAM Travel to Mars

Mind the Gap: Folding Paper Bridges

Presentations & Next Steps

← Two minute presentation by participants on Idea, support requirements, delivery into the classroom, assessment/grading, collaboration/networking arrangements and next steps

From trainers and teachers

