



Pädagogische Hochschule Tirol  
Zukunft mit Bildung

# A STEAM Journey to Mars

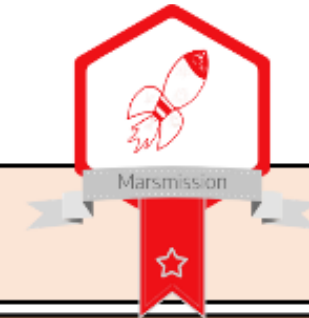
**Stefan Waldegger, Stefanie Joas,  
Martin Andre, Michael Luxner, Birgit Stengg**

*Pädagogische Hochschule Tirol*

[martin.andre@ph-tirol.ac.at](mailto:martin.andre@ph-tirol.ac.at)






# Learning Environment

## Overview



### Introduction

### Subprojects

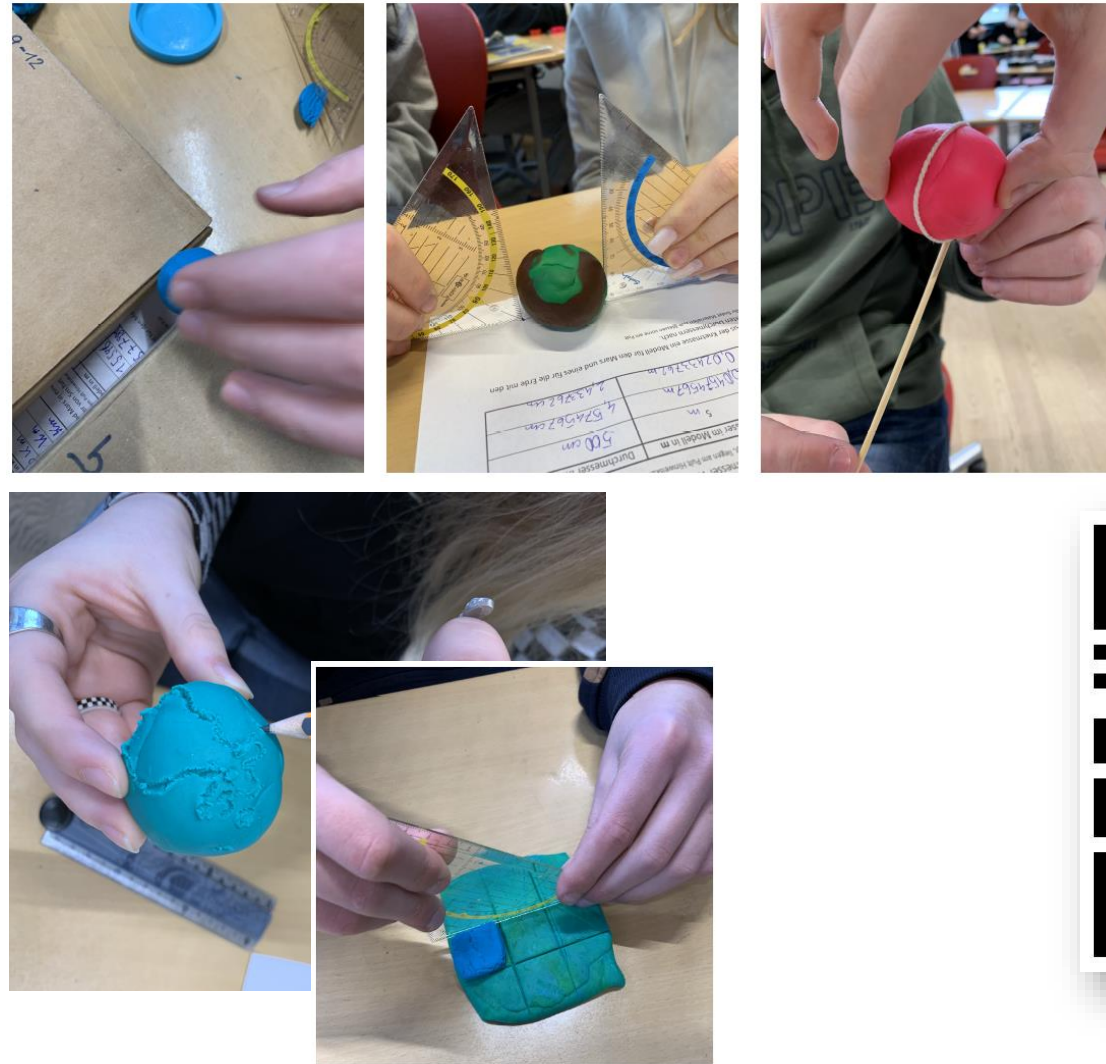
 Modellierer:innen	 Recycler:innen	 Codefreaks	 Landschafts-architekt:innen	 Paparazzis
Modeling and 3D printing a rocket	Building a rocket model from worthless materials	Mars rover programming	Design of the Mars surface	Documentation of the project

**Final notes and presentations of the respective project-teams**



Mars rover programming

# Introduction and Pre-Activities



GeoGebra

MINKT-Reise zum Mars

- Größenverhältnisse im Sonnensystem
- 3D-Druck Rakete
- Müll-Rakete
- Programmierung mit Scratch
- Wasserrakete

## MINKT-Reise zum Mars

Autor: [Stefan Waldegger](#)

Thema: [Geometrie](#), [Logik](#) oder [Logikrätsel](#), [Ähnlichkeitstran](#)

Work in Construction

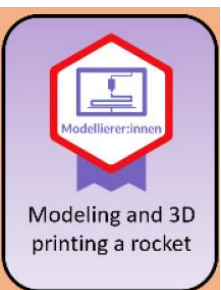
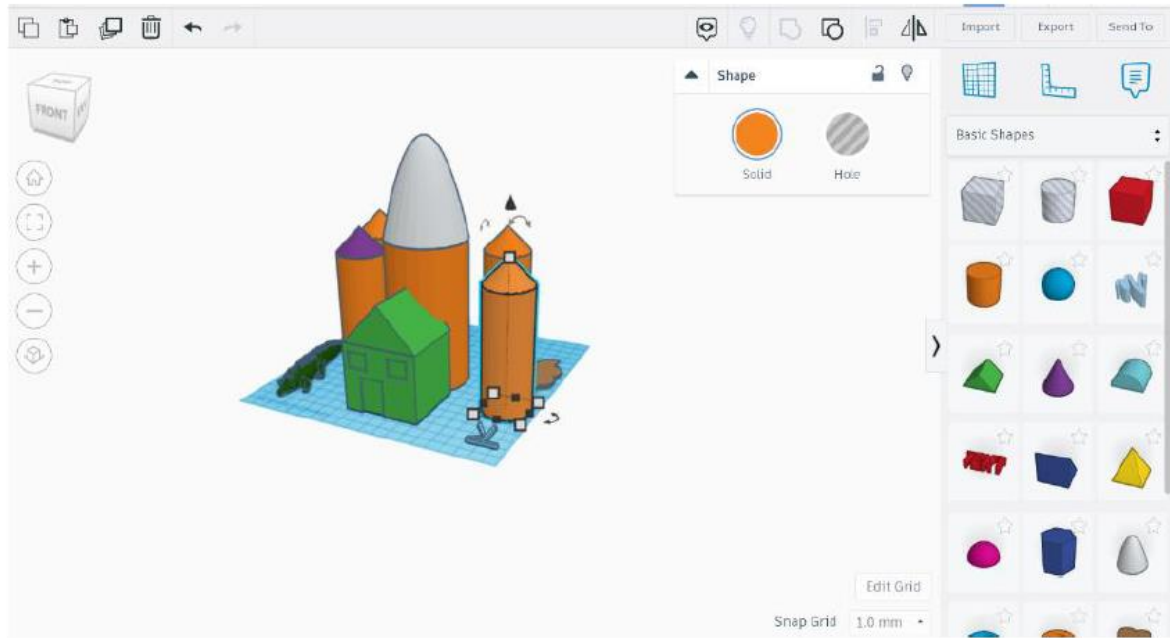
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[Größenverhältnisse im Sonnensystem](#)



<https://www.geogebra.org/m/ghwpprra>

# 3D-printing Activities





# Construction Activities





# Flight Experiment



[Vid-Analysis-App](#)

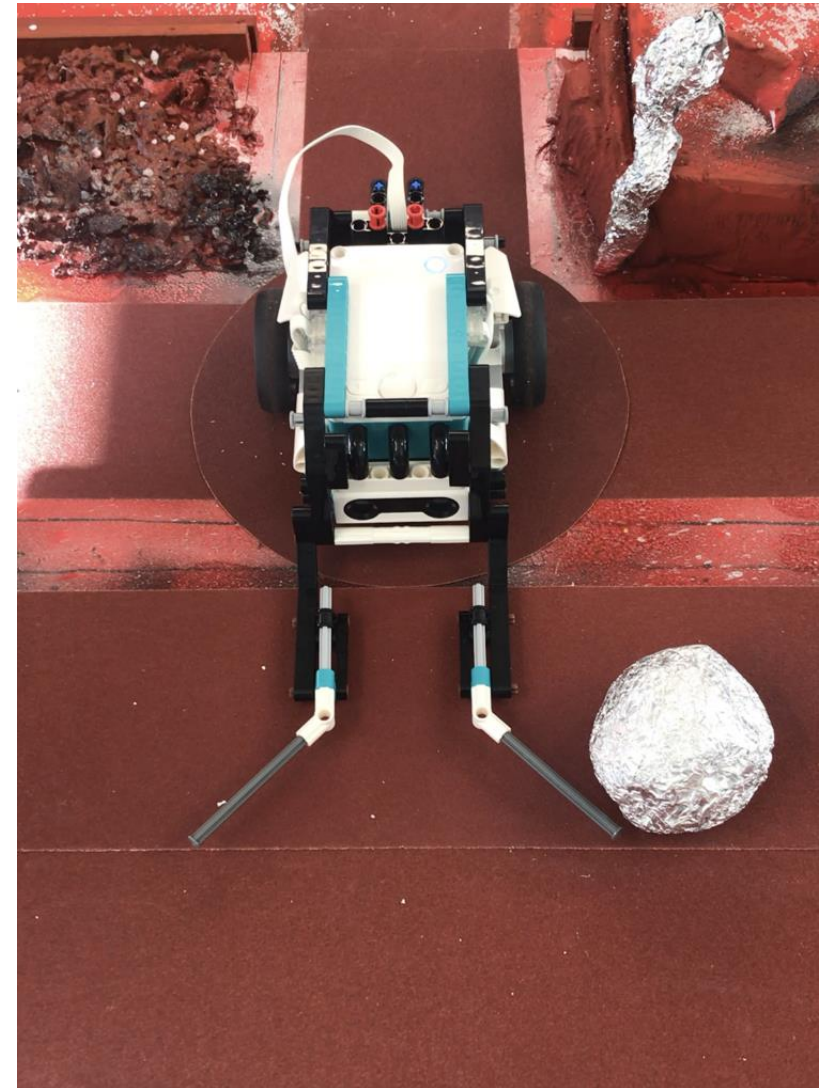
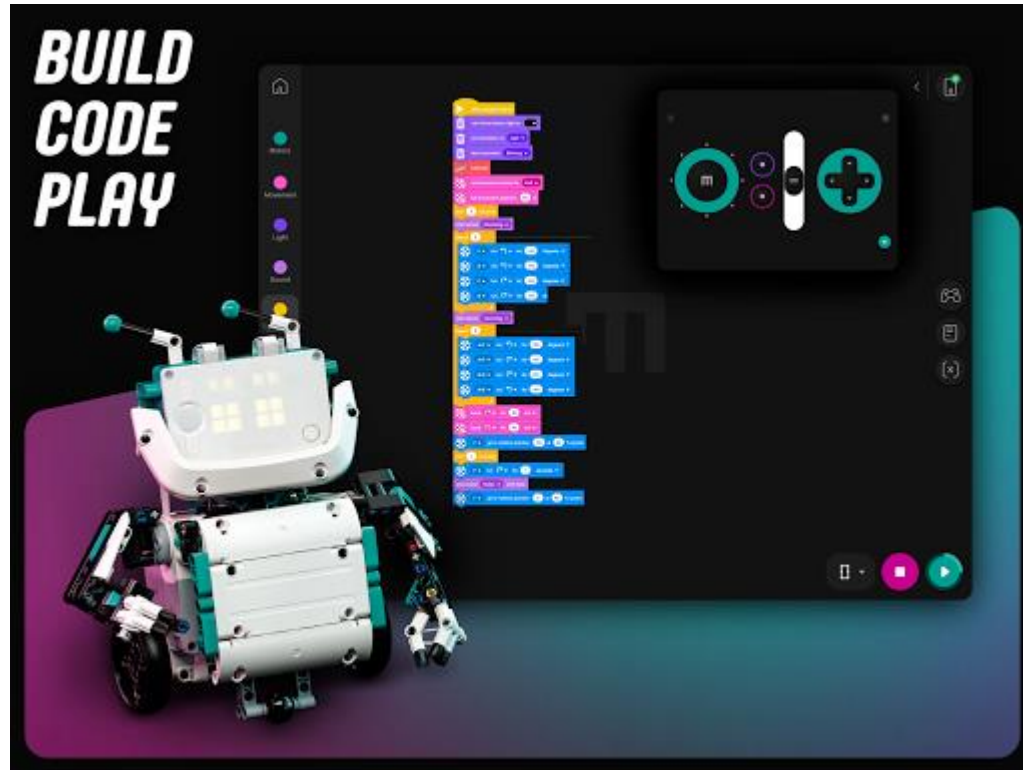




# Creative Activities



# Coding Activities





# Process Documentation



<https://pms.ph-tirol.at/minkt-projekt-reise-zum-mars/>



**Thank You!**