MYSTERY MOON

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2023W 490032-1 DEVELOPMENT SPACES

OVERVIEW

- Digital Story
- Lesson Plan
- Solution Video

THE LESSON PLAN

GOALS & OBJECTIVES

- Basic coding
- Create your own environment
- Teamwork
- Recognise the Problem and find a unique Solution
- Let your creativity flow

STUDENTS CAN…

- …assemble a simple robot by following instructions
- …program their robots
- …collaborate to achieve a goal
- …find ways to create a moon and the area for their robot
- …identify problems and take measure

LESSON 1

Target Group: 10-12 year old students

T: TEACHER

SS: STUDENTS

Time Frame	procedure	Interaction format	materials
5min	Introduction : Ss watch the digital story	T □ Ss	Beamer, Video
20min	Ss are introduced to Legomindstorm sets. Explanation of how the app, the robots and the coding work. Students can test the app and Legomindstorm Ss are put into groups of 4-5.	T □ Ss	Legomindstorm ipads/laptops/ Smartphone

25min	Ss are instructed to find a solution to the problem in the digital story. Ss have to use Legomindstorm for their robots How they ultimately solve the problem remains open to them T: provides several things (Lego, paper, 3D printer, etc.) and assists groups.	T □□ Ss Ss □□ Ss	Legomindstorm ipads/laptops/ Smartphone 3D printer, Pen and Paper, and many more (creativity)
[continuation in the next lesson]			

LESSON 2

Target Group: 10-12 year old students

T:TEACHER

SS:STUDENTS

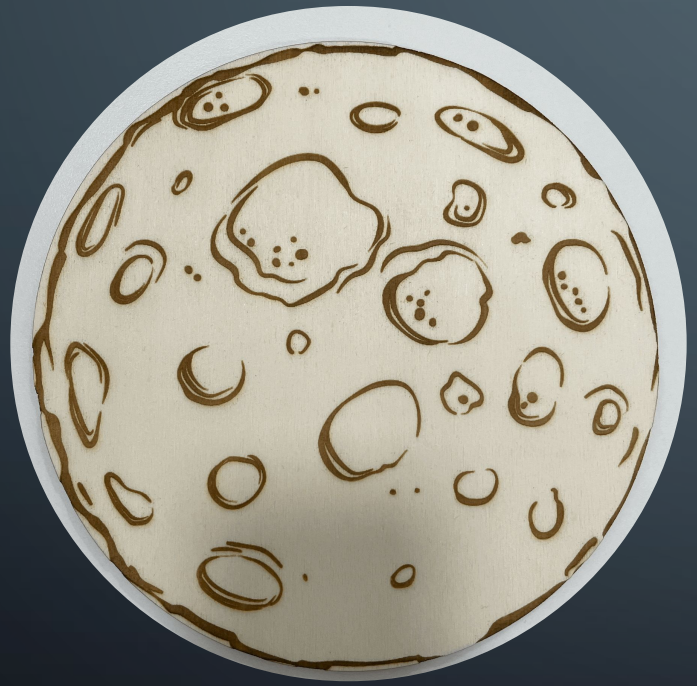
Time Frame	procedure	Interaction format	materials
5min	Introduction: Reminder of what Ss need to do.	T □ S	
40min	Ss continue working on their robots and T goes around and helps.	T □□ Ss Ss □□ Ss	Legomindstorm ipads/laptops/ Smartphone 3D printer, Pen and Paper, and many more (creativity)
5min	Ss Students present their finished project	S	Legomindstorm Materials that the students used

ASSESSMENT AND REFLECTING STRATEGIES

Following questions will discussed in a group discussion (Everybody sits in a circle and the teacher is leading the discussion):

- Can students build their robot as a team?
- Can students program with Legomindstorm to perform the task?
- Can students create a moon and the area for the solution?
- Can students find a final solution to the problem?

LET'S TAKE A CLOSER LOOK




THANK YOU FOR YOUR
ATTENTION!