



Title of the STEAM Unit

AUTHORS (NAMES /SCHOOL / COUNTRY):

RELATED SUBJECTS	GRADE RECOMMENDATIONS	TOTAL ACTIVITY TIME	LEARNING OBJECTIVES DURING THE LESSON SUBJECT-SPECIFIC COMPETENCIES	LEARNING OBJECTIVES AFTER THE LESSON
What are the school subjects that focusing on the topic? E.g. Mathematics, Physics, Music ... ?	What is the targeted age / grade?	Total time needed to complete the activity (in minutes).	Introduction to learning objectives during the lessons (short term)	Introduction to learning Objectives after the lessons, e.g. goals for follow-up (long term)

OVERVIEW: TOPIC & PURPOSE

Short introduction to the content, learning goals, structure, and purpose of the unit’s design. Insert a motivational picture too, to call the attention to the unit.

ACTIVITY PREREQUISITES

Content knowledge needed for the activity

STEAM ELEMENTS

ELEMENT 1: context presentation	Real-world / scientific / artistic context of the unit.
ELEMENT 2: creative design	Summary of creative activities in the unit.
ELEMENT 3: emotional and social learning	Summary of emotional and social skills development in the unit.





STEAM SUBJECT ELEMENTS

STEAM SUBJECTS	SCIENCE	TECHNOLOGY	ENGINEERING	ARTS	MATHEMATICS
SHORT INTRODUCTION TO RELATED SUBJECT ELEMENTS	Which parts of the unit are connected to science learning?	Which parts of the unit are connected to technology learning?	Which parts of the unit are connected to engineering learning?	Which parts of the unit are connected to arts learning?	Which parts of the unit are connected to mathematics learning?

SYLLABUS

LESSONS	SUBJECTS	TOPIC OF THE UNIT	LEARNING OBJECTIVES DURING THE LESSON: SUBJECT SPECIFIC COMPETENCIES	LEARNING OBJECTIVES AFTER THE LESSON: STEAM COMPETENCIES
1				
2				
3				
4				
5				





INSTRUCTIONAL PLAN BY LESSON (COPY AS MANY TIMES AS NEEDED)

LESSON

TIME PLAN	TEACHING & LEARNING ACTIVITIES	MATERIALS	LEARNING OBJECTIVES
INTRODUCTION (x minutes)			
LEARNING ACTIVITIES (x minutes)			
WRAP-UP & EVALUATION (x minutes)			

EVALUATION PLAN BY LESSON

LESSON	EVALUATION CRITERIA	EVALUATION METHOD
1	E.g. Does the student understand / know ... ?	E.g. Making concept map
2	E.g. Did the student make ... ?	E.g. Observation, comparing products
3	E.g. Is the student able to present ... ?	E.g. Observation, peer-review of presentation materials
4	E.g. Is the student able to implement ... ?	E.g. Creating a project for recontextualizing and adapting the idea
5	E.g. Did the students cooperate ...?	E.g. Observation, self-evaluation of groups / students.

NOTES

Optional

ACTIVITY SHEETS TO BE LINKED

Optional

EVALUATION MATERIALS TO BE LINKED

Optional

REFERENCES / SUPPORTING MATERIALS TO BE LINKED

Optional - Additional information for teachers to refer to.

