

WHO AM I?

- **HI. MY NAME IS TAMARA MAIO. I TEACH MATHS AND PHYSICS AT THE SCIENTIFIC AND AND LINGUISTIC LICEO INNOCENZO XII IN ANZIO NEAR ROME (ITALY).**



IN MY SCHOOL I HAVE SEVERAL ROLES:

- MEMBER OF THE DIGITAL TEAM,
- RESPONSIBLE FOR TEACHER TRAINING,
- RESPONSIBLE FOR EVALUATION AND SELF-ASSESSMENT,
- I AM ONE OF THE MANAGERS FOR THE PHYSICS LABORATORY

- **WHY IS IT IMPORTANT FOR YOU LISTENING TO ME?**



OUR STUDENTS OFTEN CONSIDER SCIENTIFIC KNOWLEDGE AS TOOLS FOR AN END IN THEMSELVES AND NOT LINKED TO CHALLENGING, INNOVATIVE, CONCRETE ACTIVITIES, ALSO AIMED AT THE DISCOVERY, CONSERVATION, PROTECTION AND ENHANCEMENT OF OUR ARTISTIC-CULTURAL AND NATURALISTIC HERITAGE (AS SUGGESTED BY **OBJECTIVES N. 11 AND N.4 OF AGENDA2030** (ONU 2015)).

WE CAN CHANGE IT WITH OUR

STEAM POLICY: 'STEAM, IBSE, CBL APPROACHES FOR EUROPEAN SKILLS TO DISCOVER, PROTECT, ENHANCE AND PROMOTE OUR CULTURAL HERITAGE'



WHO

WILL

BENEFIT

FROM

MY

POLICY

?

- UNDER THE GUIDANCE OF A SELECTED **TEAM OF OUR 10 TEACHERS, THE STUDENTS** BETWEEN THE AGES OF 14 AND 15 OF THE LICEO SCIENTIFICO INNOCENZO XII, WILL BE THE **CREATIVE MINDS** WHO, THROUGH A STIMULATING AND **EXCITING PEER CHALLENGE**, WILL DEVELOP **INNOVATIVE MULTIMEDIA SERVICES AND PRODUCTS. FREELY ACCESSIBLE** TO THE ENTIRE LOCAL AND INTERNATIONAL COMMUNITY, TO **DISCOVER, ENHANCE AND PROTECT** OUR **CULTURAL HERITAGE**. THINK OF THE CREATION OF A **RESOURCE REPOSITORY, VR-AR TOURS**, QUIZZES, PRIZE SURVEYS, CURIOSITY THAT TELL IN **DIGITAL STORYTELLING** OUR WONDERFUL **CULTURAL HERITAGE** ALWAYS **ACCESSIBLE** SIMPLY BY FRAMING A QR CODE



- **WHAT**
- **WILL**
- **THE**
- **IMPACT**
- **BE?**

- OUR STEAM, IBSE, CBL POLICY COULD REALLY PROVE TO BE THE MOST EFFECTIVE SOLUTION TO A COMMON PROBLEM OF THE GENERATION OF OUR STUDENTS.

- THINK OF THE **MOTIVATIONAL STIMULUS** THAT WOULD DERIVE IF THE SAME **STUDENTS**, GUIDED BY N. 10 TEACHERS (SELECTED AND PREVIOUSLY TRAINED), COULD **CONCEIVE, DESIGN AND CREATE INNOVATIVE SERVICES AND PRODUCTS** THEMSELVES, INCLUDING MULTIMEDIA, FREE AND ACCESSIBLE FOR ALL, CREATED PRECISELY TO **DISCOVER, PROTECT AND ENHANCE** THE RESOURCES OF OUR **CULTURAL HERITAGE**, FINALLY IN AN **INNOVATIVE WAY** , **CREATIVE AND CONCRETE..**



HOW
MUCH
WILL
IT
COST?

LOW
COST

- THE **BUDGET OF ONLY 1000 EUROS** WILL BE USED TO COVER THE REMUNERATION OF THE SELECTED 10 TEACHERS (WHO WILL EXPERIMENT THE ACTIVITIES) AND TO BUY RECYCLED MATERIAL AND/OR ARDUINO MICROCONTROLLERS WITH WHICH TO ALSO CARRY OUT STEAM ACTIVITIES **FOR MONITORING THE STATE OF HEALTH OF OUR MONUMENTAL OR NATURALISTIC ARCHAEOLOGICAL HERITAGE.** A **MINIMUM INVESTMENT** FOR A **WONDERFUL RESULT** THEY WILL **BENEFIT** FROM :
THE **WHOLE COMMUNITY** OF THE TERRITORY (BOTH LOCAL AND INTERNATIONAL), OUR **ADMINISTRATIONS**, **LOCAL TOURISM** BUT**ABOVE ALL** THAT IT WILL ROOT IN OUR YOUNGER GENERATIONS **THE SENSE OF BELONGING**, THE **MOTIVATION TO LEARN** AND TO **ACHIEVE SOMETHING CONCRETE** BUT WONDERFULLY **SUSTAINABLE FOR ALL.**

**HOW
MUCH
TIME
WILL IT
TAKE?**

- **THE PLANNED ACTIVITIES** (NETWORK AGREEMENTS, RECRUITMENT, TEACHER AND STUDENT TRAINING, REALIZATION OF SERVICES AND MULTIMEDIA PRODUCTS TO SUPPORT THE DISCOVERY, PROTECTION, PROMOTION AND ENHANCEMENT OF OUR CULTURAL HERITAGE) WILL TAKE PLACE **STARTING FROM THIS SCHOOL YEAR 2021-22 AND WILL CONTINUE IN THE THREE-YEAR PERIOD 2022- 25..**



WHAT'S THE PLAN TO OVERCOME SHOW-STOPPERS?



- THE ONLY DIFFICULTIES THAT COULD ARISE COULD CONCERN THE CONTRIBUTION OF THE LOCAL ADMINISTRATIONS TO THE NECESSARY LOW BUDGET. IN ANY CASE, OUR SCHOOL IS ABLE TO COPE WITH IT WITH ITS INSTITUTE FUND ALSO BY INVOLVING EXPERT EXTERNAL TRAINERS WHO WILL LEND THEIR WORK FREE OF CHARGE (CONSIDERING THAT THE NECESSARY TECHNICAL EQUIPMENT IS ALREADY IN THE POSSESSION OF THE SCHOOL). IN ANY CASE, THE **ADVANTAGES** AND **BENEFITS** FOR THE ENTIRE COMMUNITY OF OUR LOCAL TERRITORY IN TERMS OF ACCESSIBILITY, PROMOTION, ENHANCEMENT AND PROTECTION OF OUR CULTURAL HERITAGE (LOCALLY BUT ALSO INTERNATIONALLY) **FAR OUTWEIGH ANY IRRELEVANT DISADVANTAGES.**



THANK
FOR YOUR
ATTENTION YOU

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