



The global network of free computer programming clubs
for young people.

Cosa vuol dire?



Coder + Dojo

2011

Cork, Ireland



James Whelton



+

Bill Liao



1° CoderDojo: Cork giugno 2011

Above All, Be Cool !

bullying, lying, wasting people's time and so on is uncool

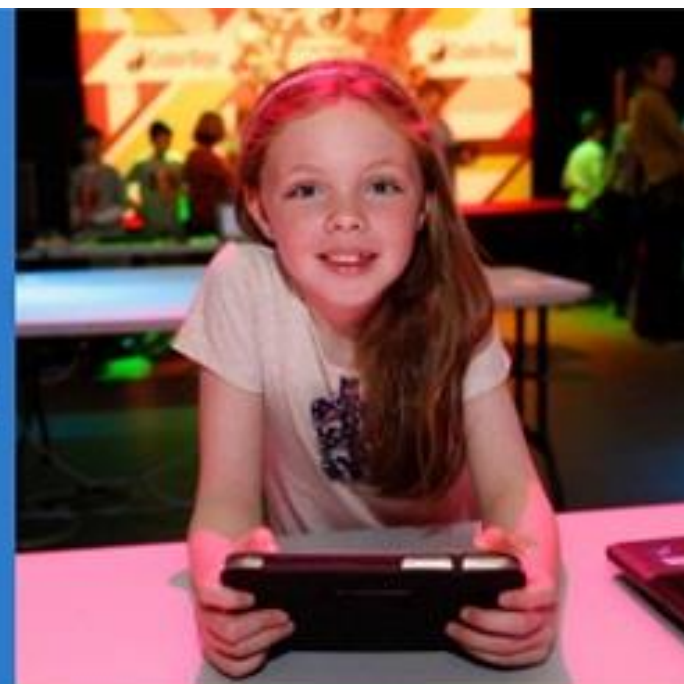


Prima di tutto, sii in gamba !

fare il bullo, mentire
e far perdere tempo agli altri
non è da persone in gamba



Collaborative, youth
centric & fun learning!



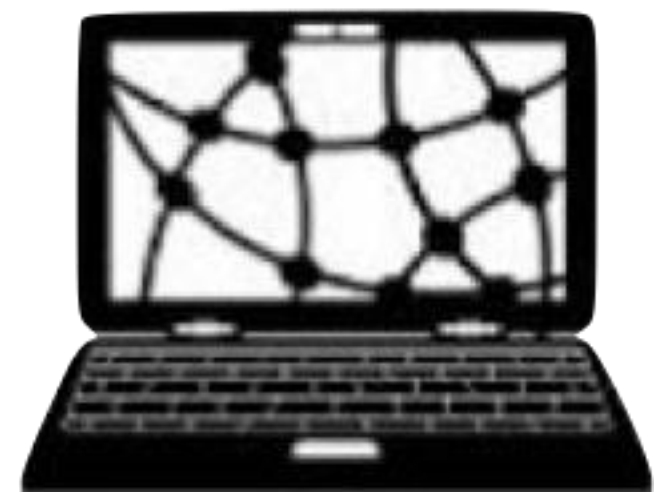
Developing coding
skills and more...



**Free, open
and
inclusive,
always**



Cosa serve?



2017



69 paesi

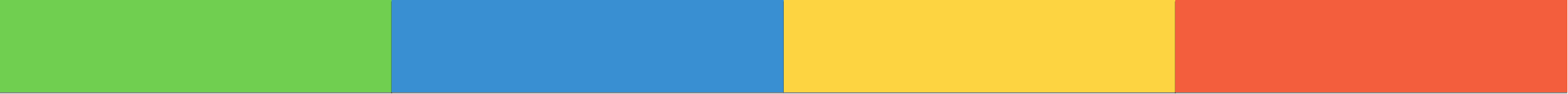
+1250 dojo

Perché?



da utenti

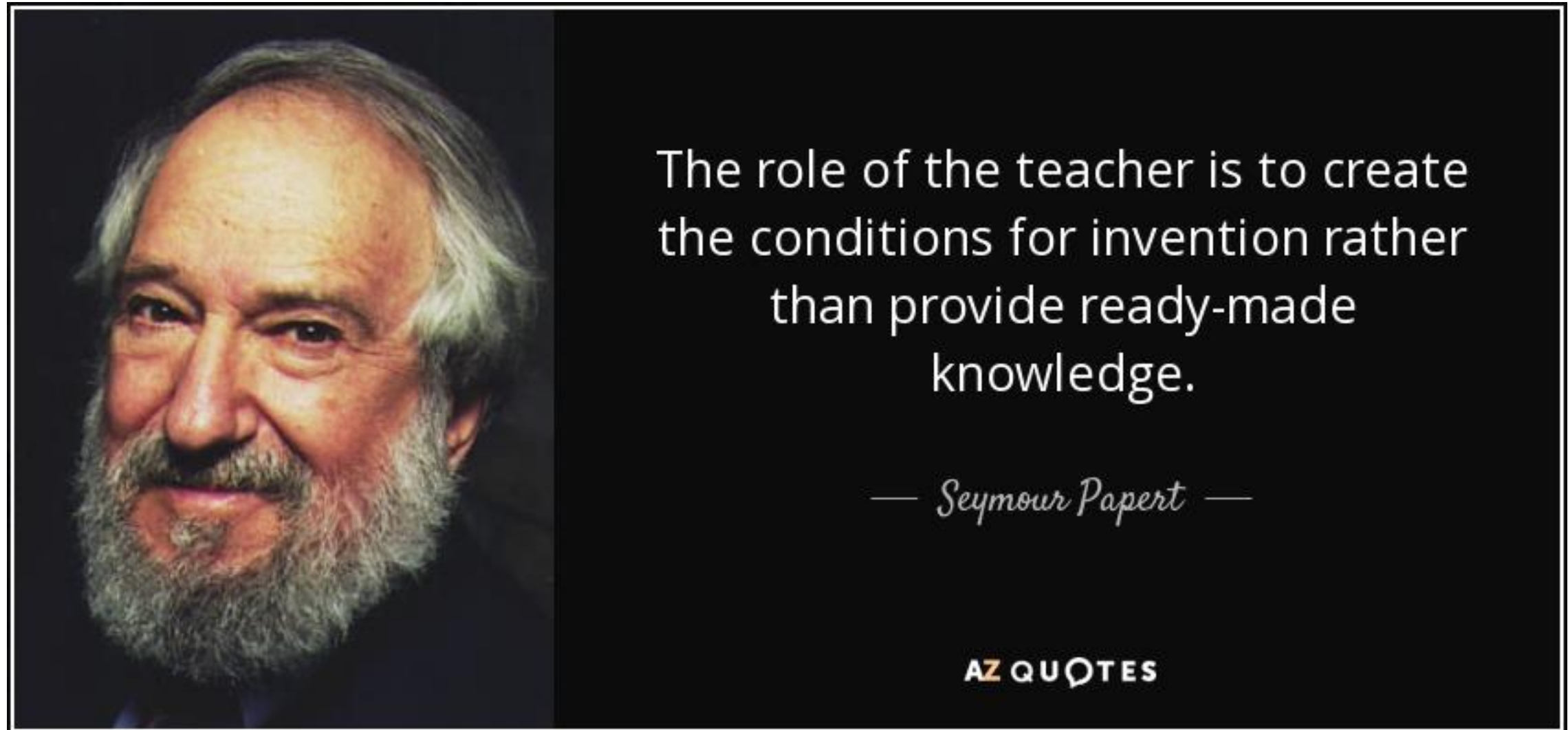
a supereroi



CoderDojo vision is a world where
every children has the opportunity to
learn how to **code** and to be
creative in a **fun**, **safe** and **social**
environment



Leading experts in child led learning ...also called visionaries



Seymour Papert



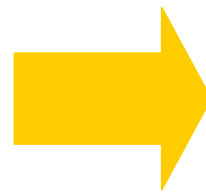
All About LOGO-
How It Was Invented and How It Works

MINDSTORMS

Children, Computers,
and Powerful Ideas

WITH AN INTRODUCTION BY JOHN SCULLEY
AND A NEW PREFACE BY THE AUTHOR

SEYMOUR PAPERT



Leading experts in child led learning
...also called visionaries



Sugata Mitra

Hole in the wall



TED PRIZE WINNER

SUGATA MITRA

WHAT WILL BE
THE FUTURE OF
LEARNING?

THE LAST
EMPIRE
CREATED THE
BEAUREAUCRATIC
MACHINE

THE VICTORIANS WERE BRILLIANT
AT PRODUCING MANY STUDENTS
THAT WERE THE SAME.

THE REMAINING
EDUCATION SYSTEM
ISN'T BROKEN...
WE JUST DON'T NEED
IT ANYMORE!



I DECIDED TO
RUN AN EXPERIMENT

**"THE HOLE
IN THE WALL"**

WE HAD TO TEACH
OURSELVES ENGLISH
IN ORDER TO USE THE
COMPUTER.

WE'LL
DONE!

HOW FAR CAN IT GO?

APART FROM
LEARNING THE FACT
THAT IMPROPER REPLICATION
CAN CAUSE DISEASE...

WE HAVE LEARNED NOTHING



WOW...
EXPLAIN
THAT
TO ME...

22 YEAR OLD
'GRANDMOTHER'

**ENCOURAGEMENT
IS KEY.**

THE
GRANNY
CLOUD



LEARNING IS
THE PRODUCT
OF SELF
ORGANISING

SOLE

SELF ORGANISED
LEARNING ENVIRONMENT

BROADBAND + CONNECTION + ENCOURAGEMENT
AND ADMIRATION

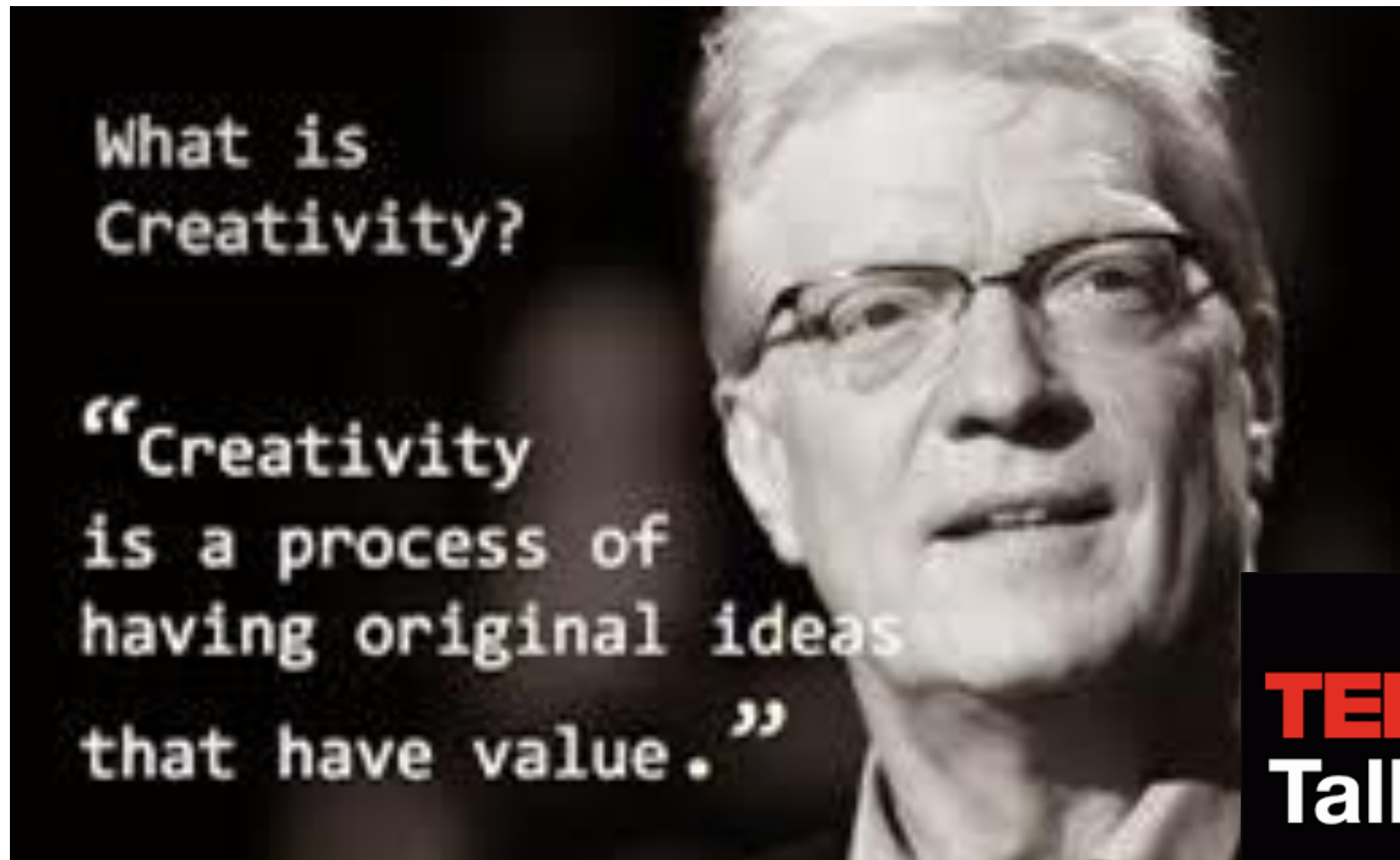


SOLE: **Grande domanda** **Ricerca,** **Discussione finale**



Sugata Mitra a Torino

Leading experts in child led learning ...also called visionaries



Sir Ken Robinson

Leading experts in child led learning
...also called visionaries



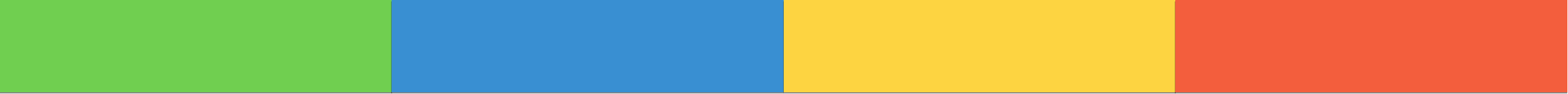
Salman Khan (Academy)

Leading experts in child led learning
...also called visionaries



TED
Talks

Mitch Resnick



Creative Learning

4P

Projects Peers Play Passion

Lifelong Kindergarten Group

ilk.media.mit.edu (MIT Media Lab, Boston)



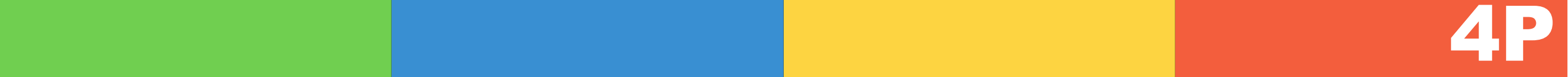


Creative Learning

Projects
Peers
Play
Passion



Ci sporchiamo le mani



Projects

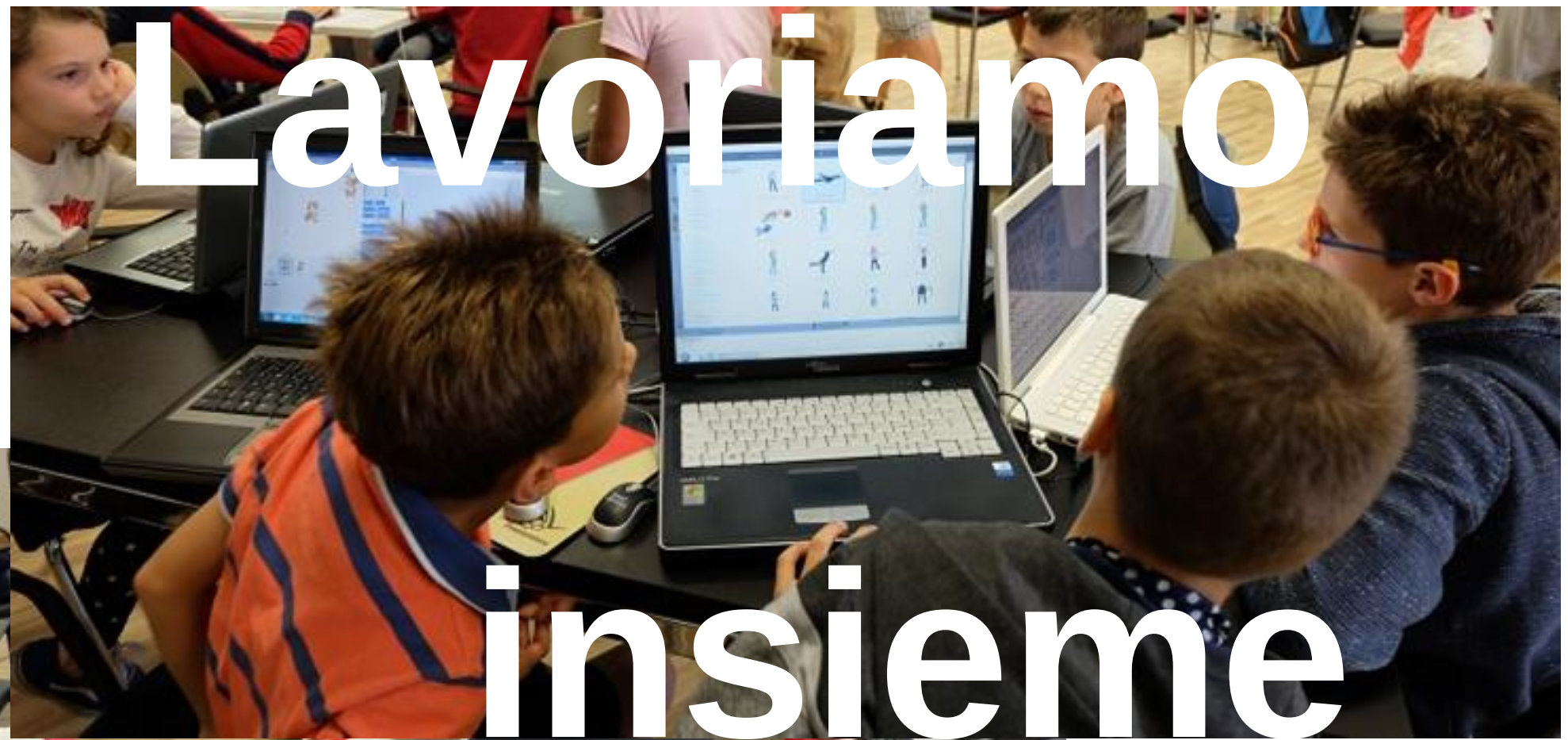
Peers

Play

Passion



Projects
Peers
Play
Passion





Projects
Peers
Play
Passion

Sperimentiamo



giocando



Projects

Peers

Play

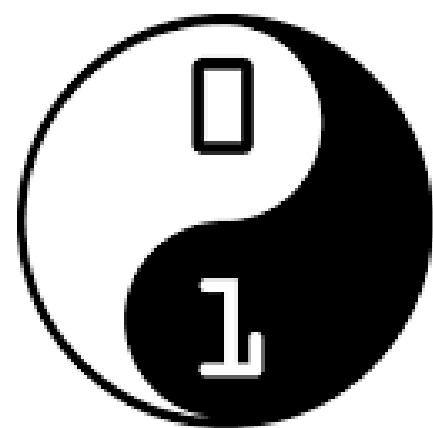
Passion



Ci mettiamo
passione!

7 regole d'oro

- ✓ Siate curiosi e attenti.
- ✓ Il bambino è competente
- ✓ State a fianco, non davanti
- ✓ Gli errori ci piacciono
- ✓ Incoraggiate
- ✓ Non dite “NON”
- ✓ Divertitevi!



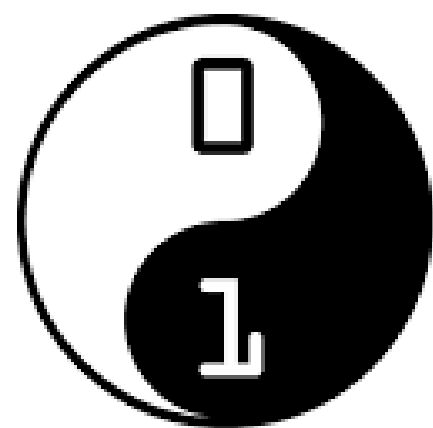
CoderDojo
Foundation

Timeline of success

2013 (80 dojos)



1st EuDojo: Bruxelles European
Parliament



CoderDojo

Foundation

Timeline of success

2013 2014 (238 dojos)

2nd EuDojo Bruxelles

CoderCamera Rome

CoderMiur Rome

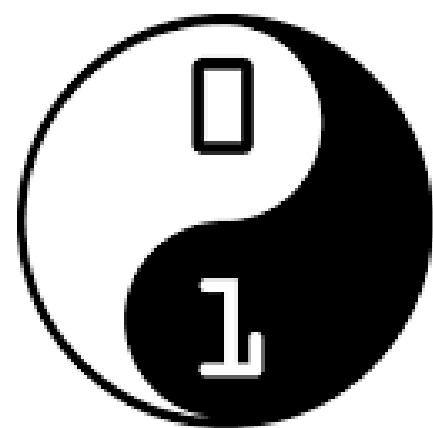
Programmazione curriculare in UK

Coder Camera



EuDojo 2015





CoderDojo Foundation

Timeline of succes

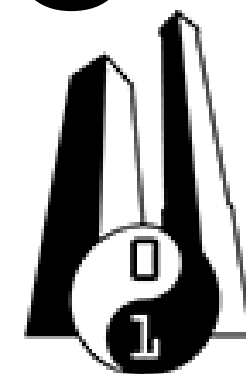
2013 2014 2015 2016 (+1000 dojos)



CD Foundation receives
European Citizen's prize

Community italiana

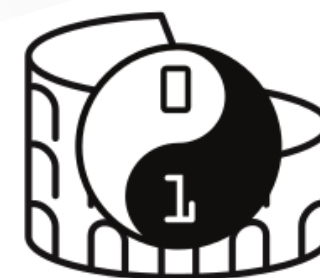
80+ dojo



CoderDojo
Bologna



CoderDojo
Trento



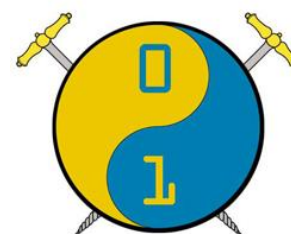
CoderDojo Roma



CoderDojo
MATERA



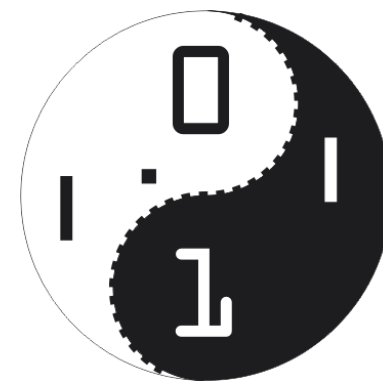
CoderDojo
Parma



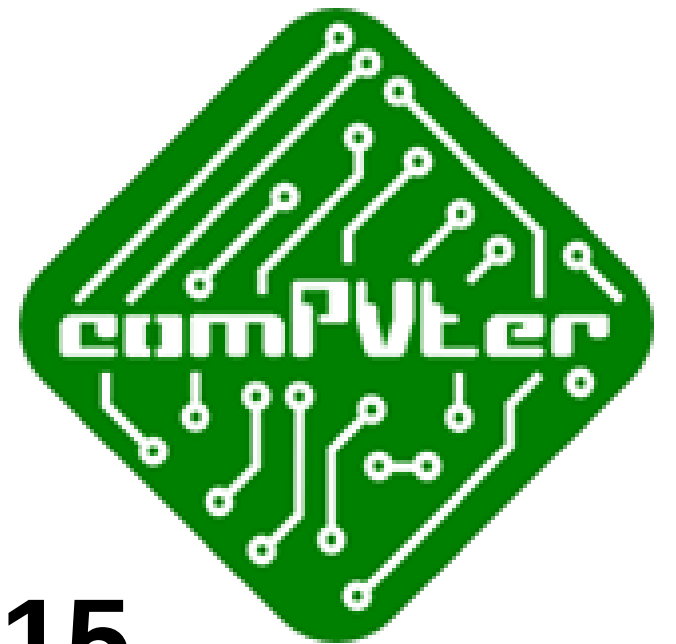
CoderDojo Pavia

Nasce il 12 Ottobre 2013

- **56 eventi**
- **2.634 iscrizioni**
- **7.902 ore di programmazione gratuita erogate**
- **Porta alla nascita di CoderDojo Voghera, Vigevano, Sondrio, Arese**



comPVter aps

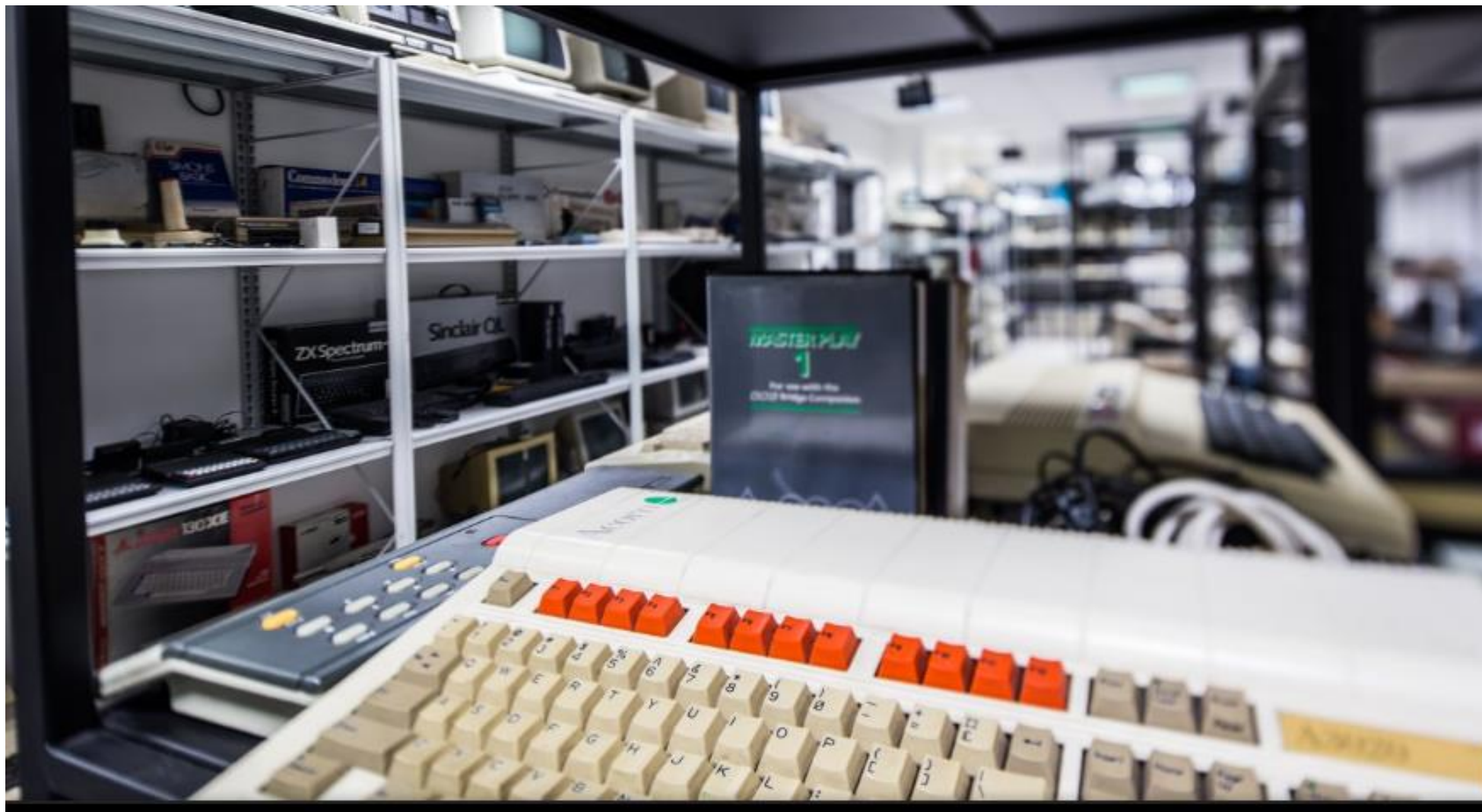


Gruppo nasce nel 2008

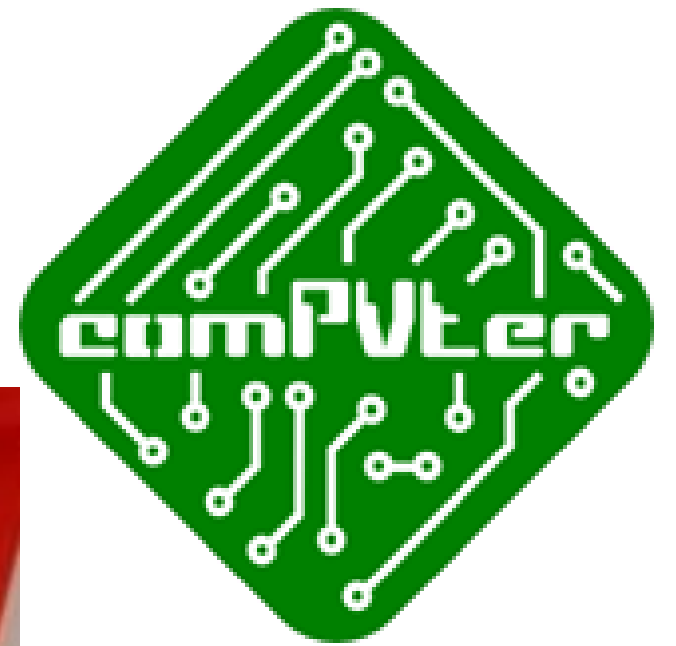
- Si costituisce **associazione nel 2015**
- **100+ soci**
- **Museo (1200+)**
- **Laboratori**



comPVter aps - museo



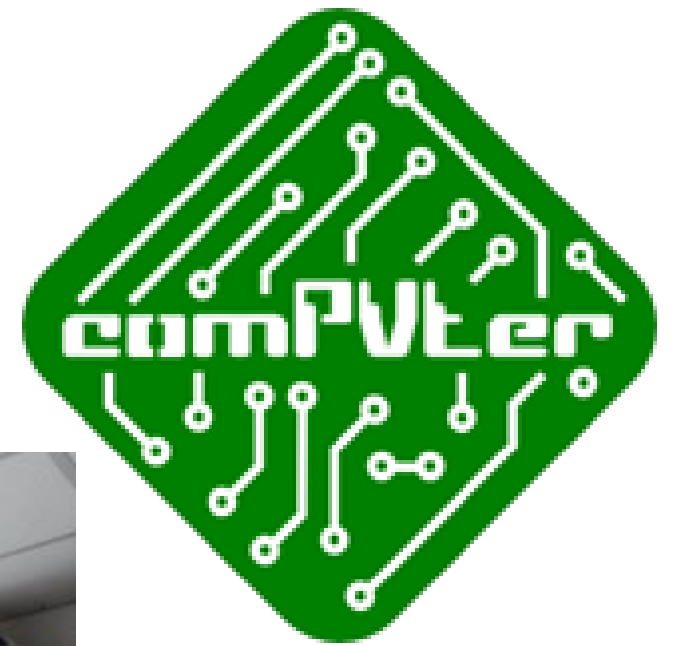
comPVter aps - laser



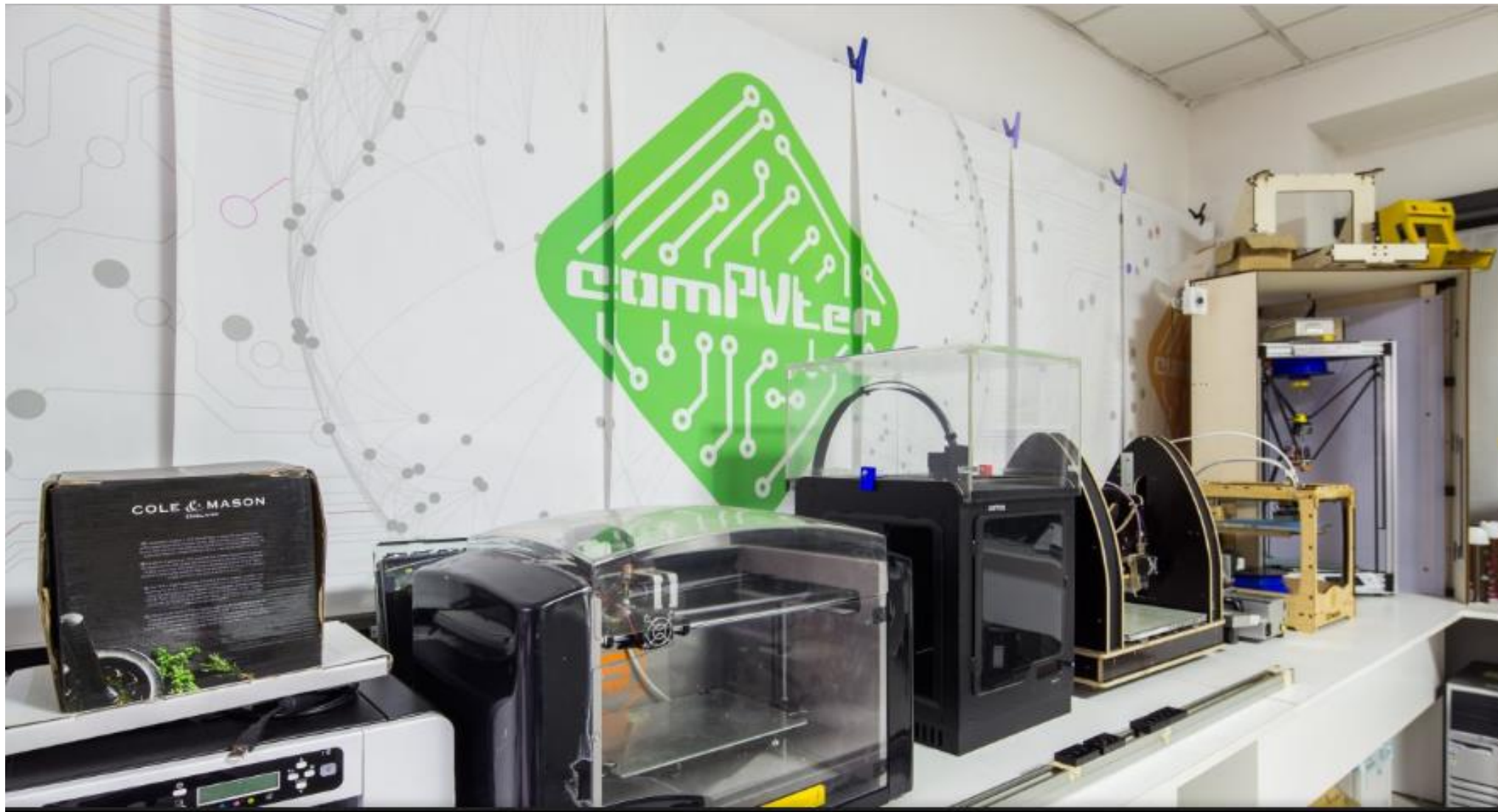
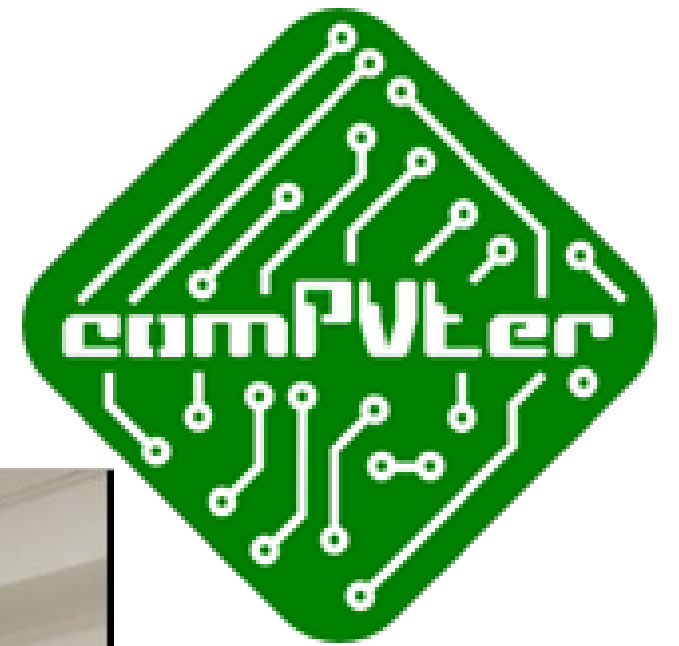
comPVter aps simulatore



comPVter aps console

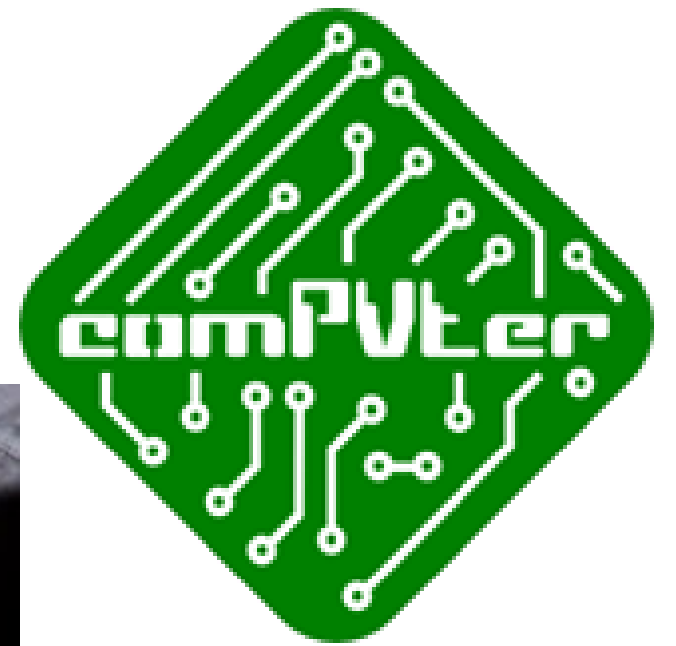


comPVter aps Stampanti 3D



comPVter aps

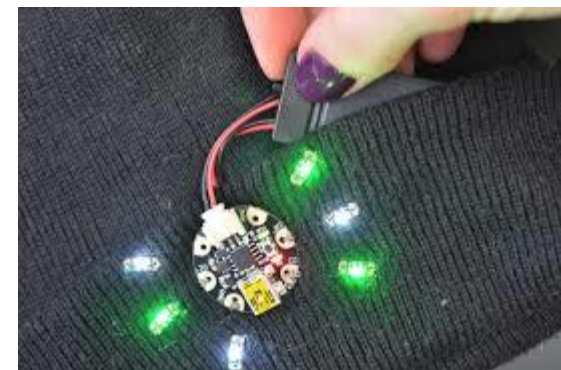
Elettronica saldatura



Cosa offre CoderDojo?

SCRATCH

HTML



MINECRAFT

CoderDojo Pavia @ Scuola



CoderDojo
Pavia

Ragazze e tecnologia



Minori e consapevolezza su internet



CoderDojo: cosa lascia alla scuola?



Risorse

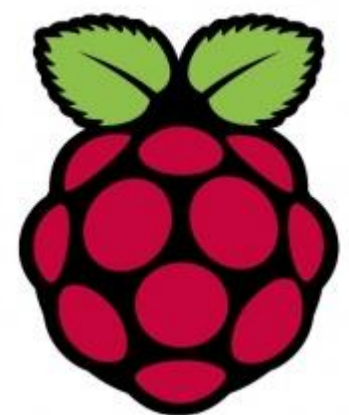
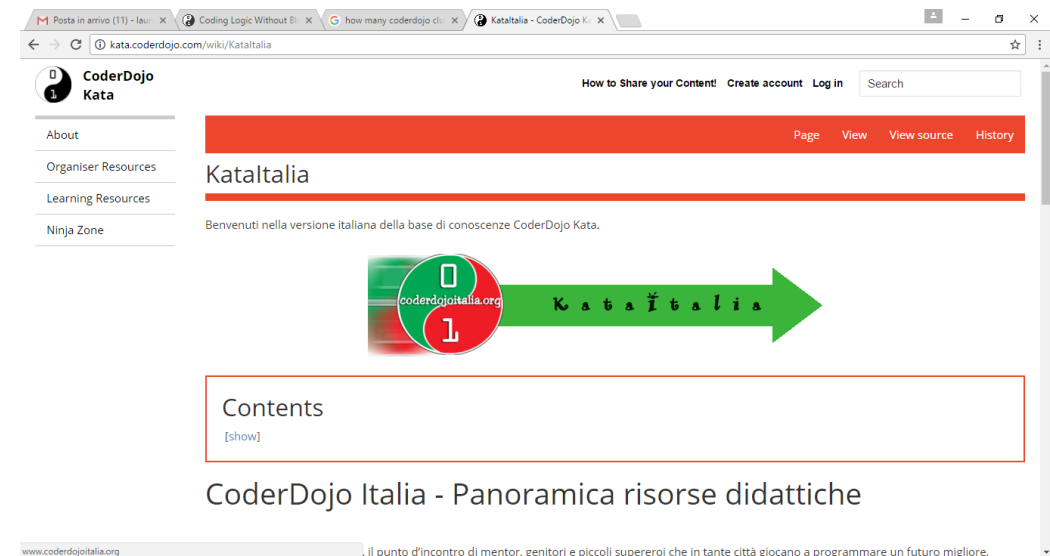
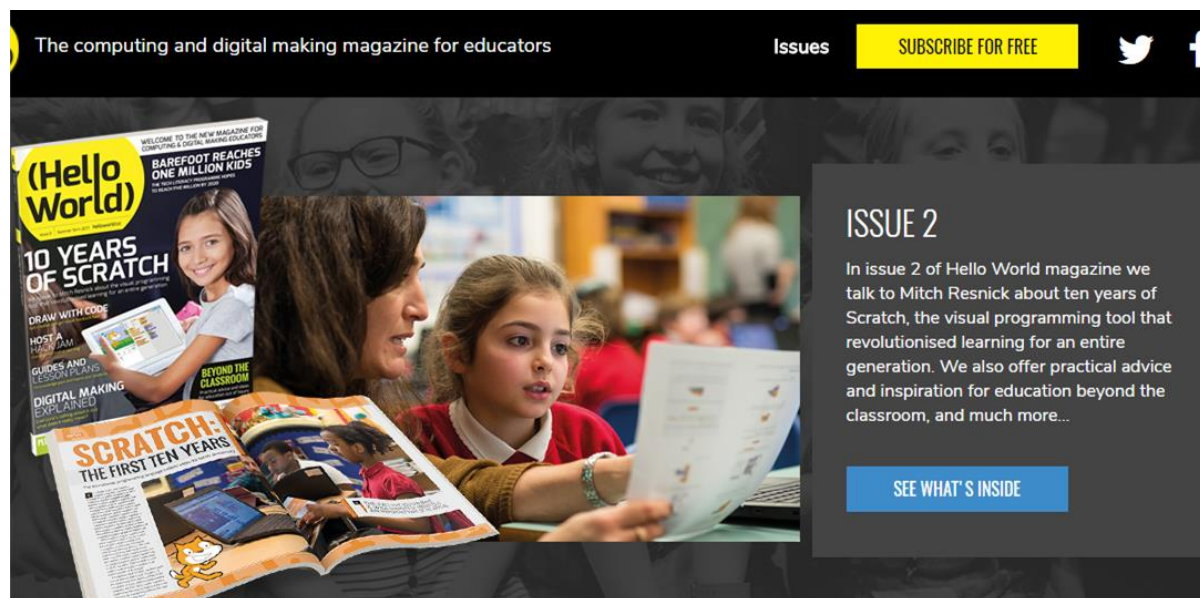
Risorse gratuite per educatori

ScratchEd

KataItalia



HelloWorld!



Solo per tecnologia? No!



Chi usa Scratch?

Gli educatori usano Scratch in diversi:

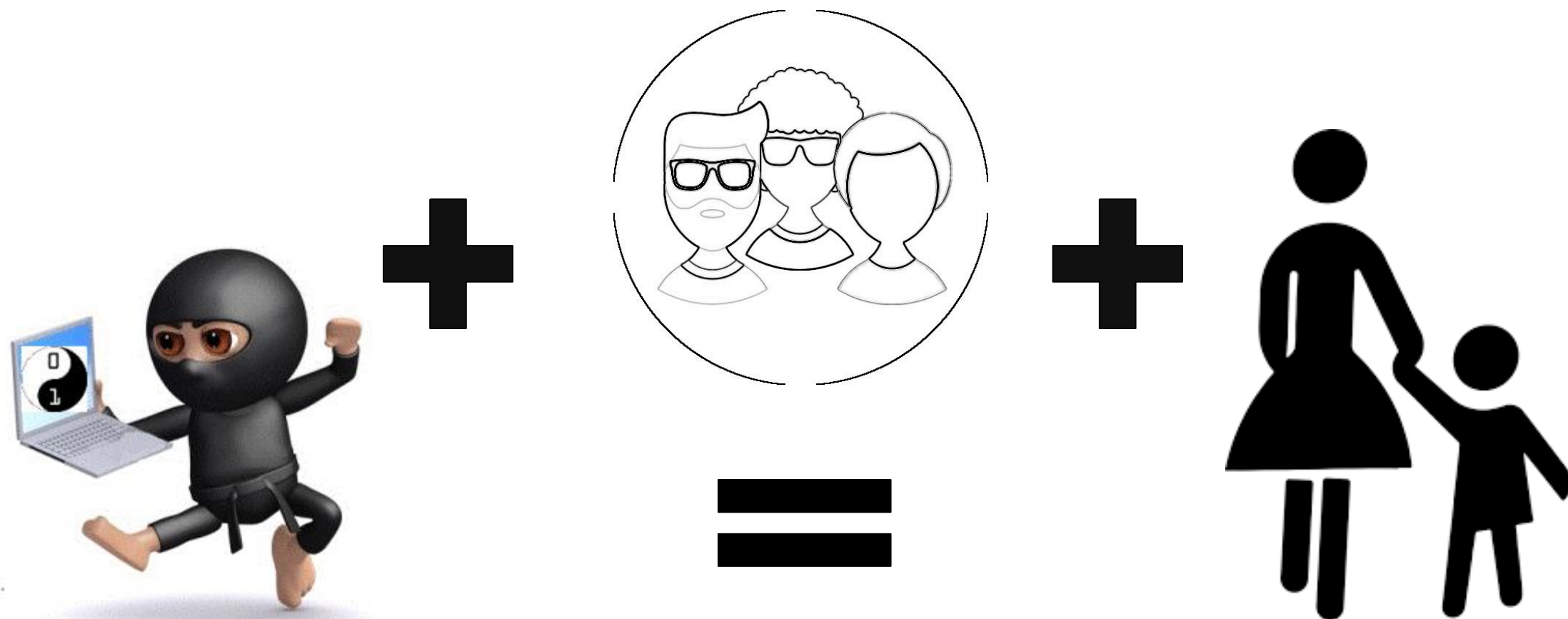
Ambienti: scuole, musei, biblioteche, centri di aggregazione

Livelli Scolastici: elementari, medie e superiori (e anche alcune università)

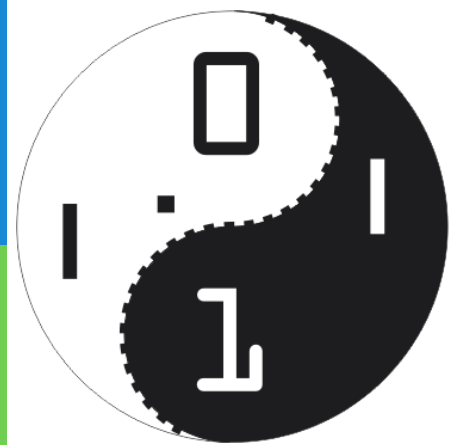
Discipline: lingue, scienze, educazione civica, matematica, informatica, lingue straniere e arte

italiano, scienze,
educazione civica,
matematica, informatica,
lingue straniere e arte

Quindi?

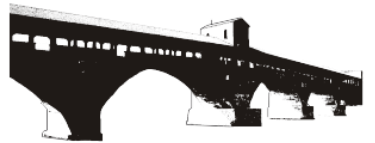






CoderDojo

Pavia



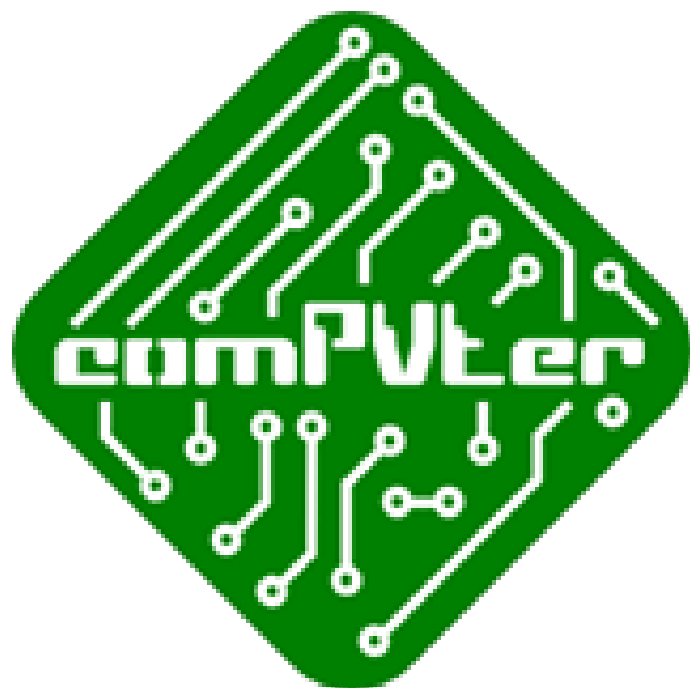
Grazie

Coderdojo.compvter.it
facebook.com/coderdojopv
[@coderdojopv](https://twitter.com/coderdojopv)

grazie ai contributi di Cristiano Ferrari
(CD Reggio Emilia), Carmelo Presicce
(CD Bologna), Angelo Sala e Barbara
Laura Alaimo (CD Milano), Agnese
Addone (CD Roma), Caterina Moschetti
(CD Sigillo), Piersoft (CD Matera)



Atelier Digitali



3-7 luglio
4-8 settembre

segreteria@compvter.it

Scratch per la progettazione e realizzazione di animazioni e videogiochi + Dress Code, la tecnologia che può essere indossata



Utilizzo di Inkscape per il taglio laser



Utilizzo delle stampanti a sublimazione, del plotter da taglio e della termopressa per la stampa sublimatica su magliette



Stampa 3D (utilizzo di TinkerCAD/Sketchup)



Robotica educativa: utilizzo di arduino/esp8266 con kit robotico autocostruito



3 - 7 luglio e 4 - 8 settembre
da lunedì a venerdì, ore 9 - 17
Iscrizione entro il 16 giugno



Presso la sede di compVter, via del commercio 13,
loc. Prado, Cura Carpignano (PV)



Docente: Ing. Sergio Camici. Corso riservato ai soci compVter.
I corsi si terranno al raggiungimento minimo di 10 iscritti.
Iscrizione sul sito <http://www.compvter.it/index.php/compvter>
Costo: 250€/settimana