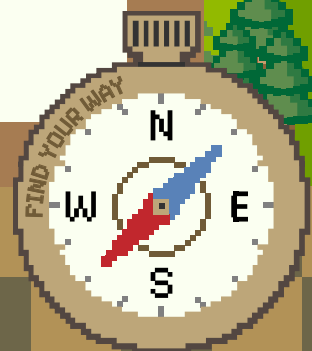


FIND YOUR WAY

RESOURCE GUIDE



WHO ARE ANALOG DEVICES (ADI)?

ANALOG DEVICES (ADI) IS A GLOBAL SEMICONDUCTOR LEADER THAT BRIDGES THE PHYSICAL AND DIGITAL WORLDS TO ENABLE BREAKTHROUGHS AT THE INTELLIGENT EDGE.



ADI COMBINES ANALOG, DIGITAL, AI AND SOFTWARE TECHNOLOGIES INTO SOLUTIONS THAT HELP DRIVE ADVANCEMENTS IN IN AUTOMATION AND ROBOTICS, MOBILITY, ENERGY AND DATA CENTERS, AND HEALTHCARE, COMBAT CLIMATE CHANGE, AND RELIABLY CONNECT HUMANS AND THE WORLD. WITH REVENUE OF MORE THAN \$11 BILLION IN FY25, ADI ENSURES TODAY'S INNOVATORS STAY AHEAD OF WHAT'S POSSIBLE.

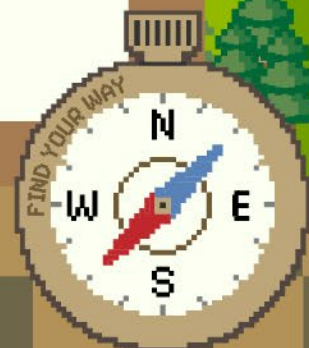
OUR ROLE AT STRIPE YOUNG SCIENTIST AND TECHNOLOGY EXHIBITION

FOR 25+ YEARS, ANALOG DEVICES HAS BEEN A KEY GOLD SPONSOR OF THE YOUNG SCIENTIST AND TECHNOLOGY EXHIBITION (YSTE) IN DUBLIN EVERY JANUARY.

ADI HAS ALWAYS BEEN PASSIONATE ABOUT STEM EDUCATION AND OUR ROLE IN SUPPORTING THE COMMUNITIES WHERE WE WORK, HOPING TO INSPIRE THE NEXT GENERATION OF ENGINEERS AND TECHNOLOGISTS.



WE ARE ALSO VERY PROUD TO SPONSOR TWO SEPARATE AWARDS AT YSTE, ONE FOR THE STUDENT WITH THE BEST PROJECT IN THE TECHNOLOGY CATEGORY AND ONE FOR EDUCATOR OF THE YEAR, WHO HAS GONE ABOVE AND BEYOND TO SUPPORT STEM IN THE CLASSROOM.





FIND YOUR WAY RESOURCE GUIDE

WHAT DOES STEM STAND FOR?

STEM STANDS FOR **S**CIENCE, **T**ECHNOLOGY, **E**NGINEERING AND **M**ATHS. SOME OF THE MOST COMMON SECONDARY SCHOOL SUBJECTS IN THE STEM AREA ARE LISTED BELOW.

- **SCIENCE:** BIOLOGY, CHEMISTRY & PHYSICS
- **TECHNOLOGY:** COMPUTER SCIENCE & INFORMATION TECHNOLOGY
- **ENGINEERING:** DESIGN COMMUNICATION GRAPHICS, CONSTRUCTION STUDIES
- **MATHS:** APPLIED MATHEMATICS

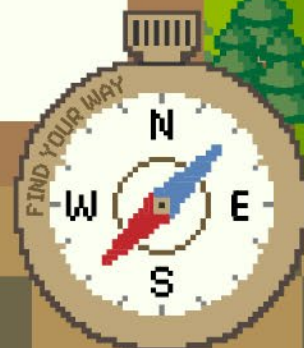
LEARNING RESOURCES FOR HOME OR THE CLASSROOM



CODERDOJO RUNS FREE CODING CLUBS FOR YOUNG PEOPLE AGES 7 TO 17, HELPING THEM LEARN HOW TO BUILD WEBSITES, APPS AND GAMES. THROUGH GUIDED, STEP-BY-STEP PROJECTS, STUDENTS CAN EXPLORE LANGUAGES SUCH AS SCRATCH, PYTHON AND HTML/CSS IN A SUPPORTIVE, COMMUNITY-BASED ENVIRONMENT.



- LEARN MORE ABOUT CODE CLUBS [HERE](#)
- FIND A CODE CLUB [HERE](#)





T I N K E R C A D

TINKERCAD IS A FREE, WEB-BASED PLATFORM THAT ALLOWS CHILDREN TO DESIGN 3D MODELS, BUILD ELECTRONIC CIRCUITS, AND LEARN BASIC CODING CONCEPTS. TRUSTED BY OVER 100 MILLION USERS WORLDWIDE, IT IS AD-FREE, KIDSAFE-CERTIFIED, AND SUITABLE FOR ALL AGES.

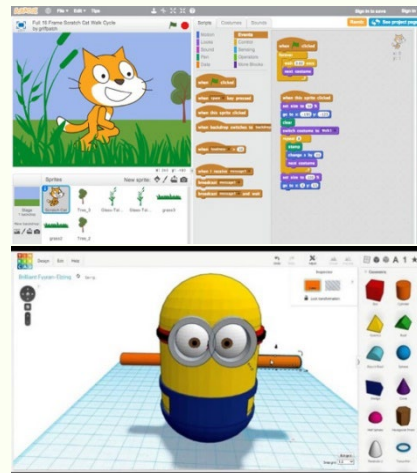
- LEARN MORE ABOUT TINKERCAD [HERE](#)

SCRATCH

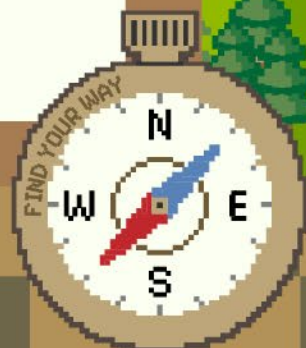


SCRATCH IS A BLOCK-BASED PROGRAMMING LANGUAGE THAT ENABLES CHILDREN TO CREATE INTERACTIVE STORIES, GAMES, AND ANIMATIONS BY SNAPPING TOGETHER SIMPLE CODE BLOCKS.

IT ALSO HOSTS THE WORLD'S LARGEST ONLINE CODING COMMUNITY FOR YOUNG LEARNERS AND IS COMPLETELY FREE TO USE.



- LEARN MORE ABOUT SCRATCH [HERE](#)
- SCRATCH START PAGE [HERE](#)





ARDUINO OFFERS A RANGE OF STEM KITS DESIGNED TO INTRODUCE STUDENTS TO PROGRAMMING, ELECTRONICS, AND SCIENTIFIC CONCEPTS THROUGH HANDS-ON LEARNING. POPULAR OPTIONS INCLUDE:



ADI'S TECHNOLOGY POWERS
THESE INNOVATIONS

- STUDENT STARTER KIT: A GUIDED, STEP-BY-STEP KIT THAT TEACHES THE FUNDAMENTALS OF ELECTRONICS, PROGRAMMING AND CODING AT HOME.
 - LEARN MORE [HERE](#)
- ARDUINO ALVIK: AN INNOVATIVE AND VERSATILE ROBOT THAT ENABLES USERS OF ALL LEVELS TO IMMERSE THEMSELVES IN THE WORLD OF PROGRAMMING AND ROBOTICS.
 - LEARN MORE [HERE](#)

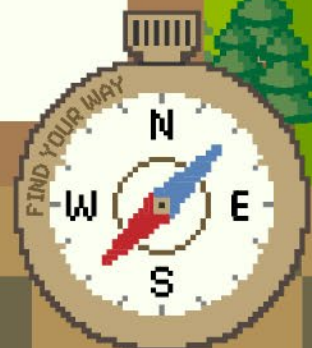


Raspberry Pi

RASPBERRY PI IS A COMPACT, SINGLE-BOARD COMPUTER THAT CAN BE USED TO LEARN PROGRAMMING, BUILD ROBOTS, AND CREATE GAMES. ALONGSIDE THE HARDWARE, THE RASPBERRY PI FOUNDATION PROVIDES A WIDE RANGE OF EDUCATIONAL RESOURCES FOR CHILDREN, INCLUDING CODING CLUES, PROJECT GUIDES, AND CODING CHALLENGES.



- LEARN MORE ABOUT THE DIFFERENT RASPBERRY PI BOARDS [HERE](#)
- VISIT THE RASPBERRY PI FOUNDATION [HERE](#)



CODE COMBAT

CODECOMBAT IS A GAME BASED LEARNING PLATFORM THAT TEACHES COMPUTER PROGRAMMING THROUGH A REAL-TIME STRATEGY GAME. IT FEATURES TWO GAME MODES, ONE FOR YOUNGER KIDS AND ONE FOR OLDER KIDS, WHERE THEY CAN WRITE CODE OR DROP CODE BLOCKS TO COMMAND THEIR HERO AND SOLVE FUN PUZZLES.



- START CODECOMBAT JUNIOR [HERE](#)
- START CODECOMBAT ORIGINAL [HERE](#)

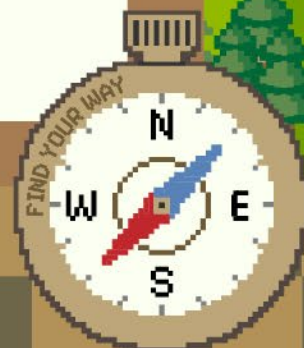
IRELAND-BASED STEM EVENTS SPONSORED BY ADI

STEM SOUTH WEST

THE STEM SOUTHWEST EXPO IS A FULL-DAY EVENT HOSTED IN THE CITY HALL IN CORK, THAT SHOWCASES STUDENT PROJECTS, INDUSTRY INNOVATIONS, INTERACTIVE EXHIBITS AND HANDS-ON EXPERIENCES IN ORDER TO CELEBRATE THE POWER AND POSSIBILITIES OF STEM.



- LEARN MORE ABOUT STEM SOUTHWEST [HERE](#)





STEMTACULAR, POWERED BY ANALOG DEVICES IS A STEM SHOWCASE FOR PRIMARY SCHOOL PUPILS HOSTED IN BALLINAMORE, CO. LEITRIM WHERE KIDS CAN PRESENT PROJECTS, EXPLORE HANDS-ON EXHIBITS, ENJOY MAGICAL SCIENCE AND WIN AWARDS.



- LEARN MORE ABOUT STEMTACULAR [HERE](#)



THE CORK CARNIVAL OF SCIENCE IS A TWO-DAY OUTDOOR CARNIVAL IN CORK'S FITZGERALD PARK THAT OFFERS FAMILY-FRIENDLY EXPERIMENTS, INTERACTIVE ACTIVITIES, GAMES AND LIVE ENTERTAINMENT WITH TWENTY-TWO SCIENCE SHOWS EACH DAY.



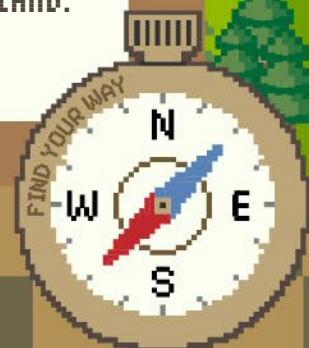
- LEARN MORE ABOUT CORK CARNIVAL OF SCIENCE [HERE](#)

Explore Engineering

THE EXPLORE ENGINEERING SHOWCASE IS AN ANNUAL SHOWCASE HELD IN SHANNON AIRPORT THAT FEATURES LIVE DEMOS, INTERACTIVE EXHIBITS AND TECH SHOWCASES FROM OVER 60 ENGINEERING COMPANIES, ALL AIMING TO PROMOTE EDUCATION AND ENGINEERING CAREERS IN THE MID-WEST REGION OF IRELAND.



- LEARN MORE ABOUT EXPLORE ENGINEERING SHOWCASE [HERE](#)





stripe |  **Stripe Young Scientist
& Technology Exhibition**

STRIPE YOUNG SCIENTIST AND TECHNOLOGY EXHIBITION IS AN ANNUAL SCIENCE EXHIBITION FOR **SECONDARY SCHOOL STUDENTS** HELD IN THE ROYAL DUBLIN SOCIETY (RDS).

FOUNDED IN 1965, THE STRIPE YOUNG SCIENTIST AND TECHNOLOGY EXHIBITION IS A **STUDENT SHOWCASE** OF ORIGINAL RESEARCH PROJECTS. EACH YEAR, THOUSANDS OF STUDENTS SUBMIT PROPOSALS, WITH ONLY ABOUT **500 PROJECTS SELECTED FOR DISPLAY** AT THE FOUR-DAY EXHIBITION IN DUBLIN.

SINCE 2000, **ANALOG DEVICES** HAS BEEN A **KEY GOLD SPONSOR** OF THE STRIPE YOUNG SCIENTIST & TECHNOLOGY EXHIBITION IN DUBLIN EVERY JANUARY. ADI IS COMMITTED TO EXPANDING ACCESS TO THE EDUCATION NECESSARY FOR **DEVELOPING TECHNOLOGY SKILLS** THAT HAVE AND CONTINUE TO IMPROVE OUR LIVES AND THE PLANET.

SINCE ADI'S FOUNDING IN 1965, WE HAVE **INVESTED** IN PROGRAMS THAT **SUPPORT SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH (STEM)** EDUCATION FOR STUDENTS AT **PRIMARY** AND **SECONDARY** LEVEL AS WELL AS **UNIVERSITY** STUDENTS AT THE UNDERGRADUATE AND GRADUATE LEVELS. WE CONTRIBUTE RESOURCES BY **PROVIDING FUNDING, TECHNOLOGIES, AND EMPLOYEE EXPERTISE** TO PROGRAMS AROUND THE GLOBE, MANY OF WHICH ARE LONG-TERM PARTNERS.

- **LEARN MORE ABOUT STRIPE YSTE [HERE](#)**

