Cubelets

Supplementary Materials Available

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SD71

Cubelets

Supplementary Materials List – Available in SD71:

LEGEND:

Bold, italicized = Title, author/creator, call #

Red = Nonfiction, history and contemporary robotics themes

Blue = Fiction, stories involving robotics

Green = LEGO and LEGO-related materials

Purple = Hands-on activity books

Orange = Related materials

- ***The robotics club : teaming up to build robots***
  Therese Shea.
  (Series: Robotics)
  Call #: 629.8 SHE

  Gives an overview of how to set up a robotics club. Includes examples of team setups, as well as examples of robotics competitions for groups to join.

- ***Robots through history***
  Jeri Freedman.
  (Series: Robotics)
  Call #: 629.8 FRE

  Provides an overview of the history of robots, discussing robotic electronics, automation, cybernetics, artificial intelligence, and other related topics; and includes an interview with roboticist Gail Drake.

- ***Robotics careers : preparing for the future***
  Simone Payment.
  (Series: Robotics)
  Call #: 629.8 PAY

  Provides information about careers in robotics, discussing the work of computer scientists and robotics researchers, engineers, and technicians; examines robotics applications.

- ***Building robots : robotic engineers***
  Daniel R. Faust.
  (Series: Engineers rule!)
  Call #: 629.8 FAU

  Discusses the history of robots, robotic engineering, uses for robots, and what to do to prepare for a career as a robotic engineer.

- ***Film and fiction robots***
  Tony Hyland.
  (Series: Robots and robotics)
  Call #: 629.8 HYL

  Describes examples of robots in movies and fiction, from their first appearances in the 1920s to the twenty-first century, and explores CGI robot creation, as well as cartoon and toy robots.

- ***Oh no! : or, How my science project destroyed the world***
  written by Mac Barnett ; illustrated by Dan Santat.
  Call #: E BAR

  After winning the science fair with the giant robot she has built, a little girl realizes that there is a major problem.

- ***Planet of the robots***
  Scott Shirley and Scott Lisetor.
  Call #: FIC SCIFI SHI

  A young spare explorer who is marooned on Planet Zare and surrounded by enemy robots programmed to eliminate him is befriended by the daughter of the planet's evil ruler.

- ***If you're a robot and you know it : a futuristic pop-up book***
  David A. Carter.
  Call #: E CAR

  Happy robots stomp their feet, jump and beep, and shout Hooray, in a take on the classic lyrics to "Happy and you know it.".

- ***The wild robot [electronic resource].***
  Peter Brown.

  Wall-E meets Hatchet in this new middle-grade novel from New York Times bestselling author Peter Brown.

- ***Equipment 071; LEGO Creative - : LEGO Large Creative Brick Box.***
  Call #: EQ

  LEGO block set.

- ***Equipment 071; LEGO Creative - : LEGO Medium Creative Brick Box.***
  Call #: EQ

  LEGO block set

- ***Cool robots***
  Sean Kenney.
  Call #: 629.8 KEN

  Master LEGO brick designer Kenney is back with original creations of Robotopolis--robots, transformers, and spaceships. Includes select model instructions, insider tips, and landscape designs for LEGO fans.

- ***LEGO play book : ideas to bring your bricks to life***
  written by Daniel Lipkowitz.
  Call #: 688.7 LIP

  "From enchanted forests to rampaging robots, LEGO Play Book is packed with inspiring models and ideas from LEGO fan builders".

- ***Mindstorms: levels 1-4***
  by Rena Hixon.
  (Series: 21st century skills innovation library. Unofficial guides)
  Call #: 629.8 HIX

  4 book guide to LEGO Mindstorms and their applications in robotics and coding.

- ***Understanding coding with Lego Mindstorms***
  Patricia Harris.
  (Series: Kids can code)
  Call #: 629.8 HAR

  Introduction to essential coding terms & concepts, including graphical user interface (GUI) & robotics using Lego Mindstorms.

- ***Maker projects for kids who love robotics***
  James Bow.
  (Series: Be a maker!)
  Call #: 629.8 BOW

  Learn about basic robot components and how they are used to build various robots for different purposes

- ***I can make remarkable robots***
  by Kristina A. Holzweiss and Amy Barth.
  (Series: Rookie star makerspace projects)
  Call #: 629.8 HOL

  Introduces the reader to robots from the context of Maker Space and the ADST curriculum.

- ***RoboMath : Educator kit-elementary level***
  Julie Payette.
  Call #: PRO 372.7 PAY

  The Canadian Space Agency has developed RoboMath as a teaching/learning tool to coincide with Shuttle Mission STS-127 to the International Space Station.

- ***Robots, androids, and animatrons : 12 incredible projects you can build***
  John Iovine.
  Call #: 629.892 IOV

  Guidebook of robotics projects for high school students.

- ***Robotics : discover the science and technology of the future, with 20 projects***
  Kathy Ceceri ; illustrated by Sam Carbaugh.
  (Series: Build it yourself series)
  Call #: 629.892 CEC

  An illustrated introduction to robotics, covering the development of robotics, housing, actuators, effectors, sensors, and controllers, with step-by-step instructions for twenty related projects.

- ***Insectronics : build your own walking robot***
  Karl Williams.
  Call #: 629.892 WIL

  Summarizes the design and construction of a functional, mobile robot.

- ***Sphero SPRK+ Power Pack [kit]***
  Call #: EQ 629.8 SPH

  Programmable multi-purpose robot kit – similar to cubelets.