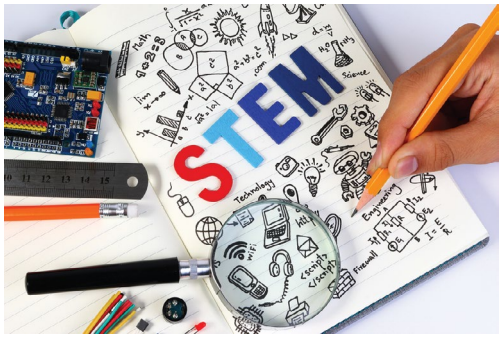
AFINIA 3D™

Out-of-the-Box 3D Printing Experience for Educators, Engineers, and Hobbyists

STEM 3D kits
Invent·Make·Create

3D Printing Project-Based Learning

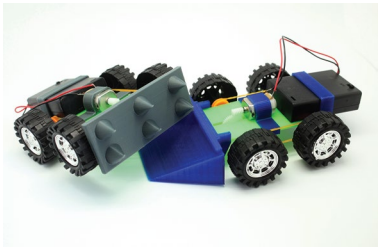


Integrate 3D printing to STEM curriculum with ready-to-learn kits

A collection of fun, inspiring, and educational STEM-based learning kits, specially developed to be used in conjunction with 3D Printing.

Solar Battery Charger

In this project, students will design, print, and build their very own solar battery charger. This is a great STEM project for teachers to do further teaching on topics such as solar power, renewable energy, and electronics.



Derby Dash

This is a great STEM project for teachers to further teaching on topics such as electric motors, gears, kinematics and basic principles of physics, such as the conservation of energy.

Heart Rate Watch

In this project students will design, print, and build their very own heart rate monitor. This project is great for further teaching on topics such as 2D drawings, electrical energy storage, voltage conversion and electronics.

Mini Boom Box

Students can build a speaker that connects to their phone, MP3 player, or other portable device. This project is great for further teaching on topics such as sound waves, amplifiers and speakers, circuit diagrams and electronics.

Details and purchase information available online at store.afinia.com

www.AFINIA3D.com | 888.215.3966 | 8150 Mallory Court | Chanhassen, MN 55317 | Afinia™

AFINIA 3D™

Out-of-the-Box 3D Printing Experience for Educators, Engineers, and Hobbyists

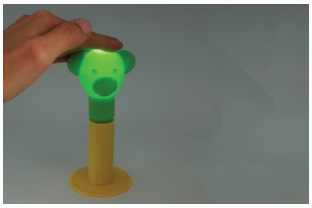
STEM 3D kits
Invent·Make·Create

Spirobot

Enrich students' understanding of robotics, mechanics, simple programming mathematics, and art. Students will use browser-based programming apps to direct the Spirobot.

LED Digital Clock

In this project, students will design, print, and then build their very own LED digital clock. This is a great STEM project for teachers to do further teaching on topics such as time, temperature, LEDs, and electronics.



Night Light

In this project, you'll learn about the basics of design and development, following design requirements, market research, creating and developing concepts, CAD modeling, 3D printing, and assembly electronic components.

Balance Bot

In this project, students get to design and build their own robot, while learning about servo and stepper motors. The science of simple machines is also a focus of this lesson.

USB Power Bank

In this project, you'll learn about the basics of 2D drawings, interpreting 2D drawings, CAD modeling, 3D printing, and assembling electronic components. A great project to enhance lessons in electricity!

M.I.R.A - 5 Axis Mini Industrial Robot Arm

Robotics and 3d printers are the fastest technologies used in education and research. MIRA is the ideal platform for teaching for teaching Science, Technology, Engineering and Math (STEM) principles at all levels.

Details and purchase information available online at store.afinia.com