

2016 Extreme Redesign 3D Printing Challenge

Regional Semi-Finalists in Each Category

ART & ARCHITECTURE (14)

Design	Student Name	School	City, State, Country
Art Pavilion	Kam Chun Wing & Chan Sui Ling	City University of Hong Kong	Hong Kong
Bodiam Castle Napkin Holder	Esha Jain	Academy for Mathematics, Science, and Engineering	Rockaway, NJ, USA
Diversity of Architecture Technology	Stephen Lashley	National Technical Institute for the Deaf	Rochester, NY, USA
Escher in the Real World	Manav Goel	Bergen County Academies	Hackensack, NJ, USA
Griffith Observatory Cereal Apparatus	Nikhil Naik	Academy for Mathematics, Science, and Engineering	Rockaway, NJ, USA
Hexagonal Bell Tower	Cho Wun Chan & Szeto Cheuk Ting	City University of Hong Kong	Hong Kong
Hummingbird Kanzashi	Emily Takara	John F. Kennedy Middle School	Cupertino, CA, USA
Leaning Tower of Pisa Cryptex	Allen Liu	Morris Hills High School	Rockaway, NJ, USA
Lotus Island	Gerardo Limon	Elsik High School	Houston, TX, USA
Sea Anemone Locket	Lauren Lee	John F. Kennedy Middle School	Cupertino, CA, USA
Syrian Flask	Cole Takara	Pinewood School	Los Altos Hills, CA, USA
Taj Tool Table	John Nguyen	Academy for Mathematics, Science, and Engineering	Rockaway, NJ, USA
The Parekh Wheel	Parth Parekh	Bergen County Academies	Hackensack, NJ, USA
Underwater Hotel	Zachary Trippodo	Fairfield Ludlowe High School	Fairfield, CT, USA

ENGINEERING: SECONDARY EDUCATION (46)

Design	Student Name	School	City, State, Country
2L Bottle Holder	Dominick Jimenez	Lincoln East High School	Lincoln, NE, USA
3-D Centrifuge Molding	Zachary Keeler	Tri-County Regional Vocational Technical High School	Franklin, MA, USA
Active Soldering Iron Stand	Kevin Kohls	Tri-County Regional Vocational Technical High School	Franklin, MA, USA
Adjustable Ornament Hooks	Jackson Wolf	Westfield High School	Westfield, IN, USA
Airless Racing Tire	Rhyse Wandler & Braxton Bergeman	Campbell County High School	Gillette, WY, USA

Baby Bottle Innovation	Tianna John	Elsik High School	Houston, TX, USA
Bottle Print For Lifestraw	Charles Pomles	Beckley Academy / Home School	Louisville, KY, USA
Cane/Crutch Footing Redesign	Amir Mirza	Kamehameha Kapalama High School	Honolulu, HI, USA
Cardio Steve	Gerald Byrne & Jeff Blenkhorn	Tri-County Regional Vocational Technical High School	Franklin, MA, USA
Chain Pilot	Ryan Klahorst	Grand Haven High School	Grand Haven, MI, USA
Coffee CUP holder	Josephine Paoletto	Ramirez Intermediate School	Eastvale, CA, USA
Cookienator	Riya Gupta	Academy for Mathematics, Science, and Engineering	Rockaway, NJ, USA
Drill press C.N.C. attachment	Joesph Busch	Benilde-St.Margaret's	St. Louis Park, MN, USA
DriRite	Adam Donle & Zachary Sanborn	Liverpool High School	Liverpool, NY, USA
Drone	Luigi Defoe	Elsik High School	Houston, TX, USA
Dryer Hands	Kaden Kar	Grand Haven High School	Grand Haven, MI, USA
Easy Attach Drone Object Deployment Capsule	Jacob Dannhausen-Brun	Hinsdale Central High School	Hinsdale, IL, USA
Eco-Copter 111	Nora Heaphy	Engineering and Science University Magnet School (ESUMS)	West Haven, CT, USA
Handle and Paint Roller Redesign	Kathleen Kohlstrom	Tantasqua Regional High School	Fiskdale, MA, USA
Hanger	Josh Downing	Norwalk High School	Norwalk, OH, USA
Hoverseat	Richard Tran & Andrew Diep	Elsik High School	Houston, TX, USA
Improved Glasses Holder	Talia Rochlin	Bergen County Academies	Hackensack, NJ, USA
IV Catheter	Collin Correia	Grand Haven High School	Grand Haven, MI, USA
Jar Opener	Jacob Lealamanua	Kamehameha Kapalama High School	Honolulu, HI, USA
Jar Scraper	Jayden Key Byrd	Kamehameha Kapalama High School	Honolulu, HI, USA
Lighter Military Vest	Eduardo Cantu	Elsik High School	Houston, TX, USA
Lock Chap Stick	Michael Smith	Westfield High School	Westfield, IN, USA
Modular Hexagonal Extension	Li Cheng Yu	Etobicoke Collegiate Institute	Toronto, Ontario, Canada
MotorX	Monette Mesina & Kayvon Raymond	Thomas Johnson Middle School	Lanham, MD, USA
Outlet Cover	Riley Kubik	Lincoln East High School	Lincoln, NE, USA
Portable Cleat Cleaner	Maxwell Trumbull	LISD TECH Center	Adrian, M, USA
Scoop and Swipe	Carmen Krichbaum & Gavin Blanton	Norwalk High School	Norwalk, OH, USA

Shipping Container Improvement	Adam Samaeli	Macgregor State High School	Brisbane, Australia
Ski Clip	Jack Mason	Hinsdale Central High School	Hinsdale, IL, USA
Snow Shield	Tyson Tornichio	Norwalk High School	Norwalk, OH, USA
Stair-Climbing-Wheelchair-Mount	Kahiamakalani Walker	Kamehameha Kapalama High School	Honolulu, HI, USA
Strainer Container	Damon Mohan	Norwalk High School	Norwalk, OH, USA
The Almighty Shampooer	Emill Coto & Will Kraemer	Chatham High School	Chatham, NJ, USA
The Double-Sided USB	Eric Salmeron & Shanza Asif	Thomas Johnson Middle School	Lanham, MD, USA
The Suggestion Box	Gerard Valencia	Bergen County Academies	Hackensack, NJ, USA
Universal Solar Crank Charger	Leandro Guevara & Jan Mendez Lima	Thomas Johnson Middle School	Lanham, MD, USA
Utensil Rest Redesign	Jordan Baker & Chris LaVelle	Hobart High School	Hobart, IN, USA
Wheel chair X-25	Mauricio Muniz	Westfield High School	Westfield, IN, USA
Wheelchair Input Device	Tim Lupo	Bergen County Academies	Hackensack, NJ, USA
Wheelchair Sports Extension	Brandon Banks	Benilde-St.Margaret's	St. Louis Park, MN, USA
Work Bench with Built-in Laptop Compartment	Madison Chamberlain & Candis Brodeur	Tri-County Regional Vocational Technical High School	Franklin, MA, USA

ENGINEERING: POST-SECONDARY (12)

Design	Student Name	School	City, State, Country
3D Bone Fixation System	Zachary Stevens	West Virginia University	Morgantown, WV, USA
3D Printed Braille Alphabet	Marco Magaña	ITESM Puebla	Cuernavaca, Mexico
Be Board Deck	Lambert Egbuchuan	St. John's University	Jamaica, NY, USA
Brazo Robotico (Robotic Arm)	Alejandro Gonzalez Ramirez	Universidad Politécnica de Tulancingo	Tulancingo de bravo, Mexico
HyperShot	Aris Peci & Remi Carreiro	Ryerson University	Toronto, Ontario, Canada
Intelligent Waterbots	Jason Fontaine	San Jacinto College	Pasadena, TX, USA
Jansen Chair for People Who Have Reduced Mobility	Ricardo Valdes & Alejandro Miranda	Metropolitan Autonomous University (UAM-A) Campus Azcapotzalco	San Mateo Atenco, Mexico
Power Case	Carlos de la Pena	Oklahoma State University	Stillwater, OK, USA
Resin Transfer Mold redesign with Additive Manufacturing	Biranchi Narayan Panda	National Institute of Technology, Rourkela	Singapore

sketchHold	Alborz Razavitousi & Arman Ghafouri-Azar	Ryerson University	Toronto, Ontario, Canada
The Go Brush	Daniel Carey & Khaliq Azizi	Ryerson University	Toronto, Ontario, Canada
Together	Giovanny Gutierrez Coraza & Valeria Jacal Cruz	Instituto Tecnológico Superior of San Martín Texmelucan (ITSSMT)	San Martín Texmelucan, Puebla, Mexico