

Grade Level Winners

| AWARD | INVENTION | NAME | AFFILIATE |
|---------------------|--|-------------------|--|
| Kindergarten | | | |
| 1st Place | Stairs Stuff Elevator | Rachel Smith | Connecticut Invention Convention |
| 2nd Place | GPE (Growing Pain Eliminator) | Ian Brown | California Invention Convention |
| 3rd Place | The Mask Manager 2000 | Ryan DeLucia | Connecticut Invention Convention |
| 1st Grade | | | |
| 1st Place | Mighty Suction Holders | Rebekah Huang | Massachusetts Invention Convention |
| 2nd Place | Trash Trap | Xavier D'Souza | Connecticut Invention Convention |
| 3rd Place | Drink-O-Mask | Liv Ziemann | Connecticut Invention Convention |
| 2nd Grade | | | |
| 1st Place | Banana Shield | William Kehoe | Massachusetts Invention Convention |
| 2nd Place | Sensor Machine | Denali Nass | Invent Idaho |
| 3rd Place | Yumshies - The Yummy Edible Plushies | Arya Menon | Georgia Tech K-12 InVenture Prize |
| 3rd Grade | | | |
| 1st Place | The Waterballer | David Morales | Northern New England Invention Convention - Young Inventors' Program |
| 2nd Place | The Coat Tote: Say Goodbye to the Lost & Found | Vera Wilder | Ohio Invention Convention by Invention League |
| 3rd Place | The Rosin Ring | Shinja Hong-Lange | California Invention Convention |

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Grade Level Winners (continued)

| AWARD | INVENTION | NAME | AFFILIATE |
|------------------|--|---------------------------------|--|
| 4th Grade | | | |
| 1st Place | Pump Twist | Skye Martin | Connecticut Invention Convention |
| 2nd Place | The Calming Communicator | Lily Nicholson | Connecticut Invention Convention |
| 3rd Place | KornerLight | Hanalei Cocchiola | Connecticut Invention Convention |
| 5th Grade | | | |
| 1st Place | MailBot | Tyler Parks | Michigan Invention Convention and Showcase |
| 2nd Place | The Turtle Tent | Lily Zezula | Connecticut Invention Convention |
| 3rd Place | The Chick-O Feeder 3000 | Ava Gunther | California Invention Convention |
| 6th Grade | | | |
| 1st Place | Green Energy - Wind Operated Car Power Outlet | Shreyas Ikare | Michigan Invention Convention and Showcase |
| 2nd Place | Eye Space | Roy Takakura | Michigan Invention Convention and Showcase |
| 3rd Place | PlayBox | Riley Shove | Connecticut Invention Convention |
| 7th Grade | | | |
| 1st Place | Vivo - A COVID-19 Social Distancing Device | Suchita Srinivasan | Connecticut Invention Convention |
| 2nd Place | WARDS- Wildfire Autonomous Remote Detection System | David Song | Northern New England Invention Convention - Young Inventors' Program |
| 3rd Place | The Sci-Fi Eyes | Eliana Robinson | Invent Idaho |
| 8th Grade | | | |
| 1st Place | Alice's Arm | Isabelle Strobel | Ohio Invention Convention by Invention League |
| 2nd Place | Liftable Exoskeleton Gait System (L.E.G.S.) | Claire McCallum, Sadie McCallum | Northern New England Invention Convention - Young Inventors' Program |
| 3rd Place | DORI Alert System: Don't Forget Your Child™ | Serena Kasai-Hazekamp | Gulf Coast Invention Convention |

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Grade Level Winners (continued)

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|-------------------|---|--|---|
| 9th Grade | | | |
| 1st Place | Garbage Lot | Damian Earley | Ohio Invention Convention by Invention League |
| 2nd Place | Determining Mental Well-Being by Analyzing Change in Social and Personal Behavior/Habits Using Machine Learning | Aryan Mangal | California Invention Convention |
| 3rd Place | WalkAlert | Thanish Boggula, Thanvi Boggula | Ohio Invention Convention by Invention League |
| 10th Grade | | | |
| 1st Place | The Smart Suit | Jianna Nichols | Ohio Invention Convention by Invention League |
| 2nd Place | Chaeto Biofilters: Chemically Modified Chaetomorpha to Mitigate Ocean Acidification | Christopher Kwok, Nicholas Kwok | California Invention Convention |
| 3rd Place | Salutem.Ai - Artificial Intelligent Pneumonia and Skin Cancer Detection Using Convolutional Neural Networks | Sriram Elango | Invention Convention Independent Program |
| 11th Grade | | | |
| 1st Place | LitPad | Barnabas Li, Michelle Li, Tj Lu | Georgia Tech K-12 InVenture Prize |
| 2nd Place | Bio.Mit Internal Combustion Engine Filter | Jonathan Walker | Invention Convention Independent Program |
| 3rd Place | Walking Shipping Container Home | Emma Kaipainen | Michigan Invention Convention and Showcase |
| 12th Grade | | | |
| 1st Place | My Skin App | Sameer Balhara, Ameya Jadhav | Georgia Tech K-12 InVenture Prize |
| 2nd Place | The Sani-Pay | Haley Young | Connecticut Invention Convention |
| 3rd Place | High School Sports Concussion Detector | Patrick Astorga, Krishna Bendishankara, Armon Mighani, Tate Smit | Georgia Tech K-12 InVenture Prize |

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Industry Award Winners

| AWARD | INVENTION | NAME | AFFILIATE |
|--|---|---------------------------------|--|
| Agriculture and Food | Edible Water Bottles | Elle Frey | Gulf Coast Invention Convention |
| Animal Care and Pets | The Chick-O Feeder 3000 | Ava Gunther | California Invention Convention |
| Consumer Goods and Fashion | LitPad | Barnabas Li, Michelle Li, Tj Lu | Georgia Tech K-12 InVenture Prize |
| Environmental and Sustainability | Chaeto Biofilters: Chemically Modified Chaetomorpha to Mitigate Ocean Acidification | Christopher Kwok, Nicholas Kwok | California Invention Convention |
| Education | Mouse Buddy | Allen Melton | Invent Idaho |
| Energy | Kinetic Kickz 2.0 | Lino Marrero | Invention Convention Independent Program |
| Health and Medical | The Smart Suit | Jianna Nichols | Ohio Invention Convention by Invention League |
| Household Organization and Appliances | Water Holder 2021 | Zander Ross | California Invention Convention |
| Manufacturing and Tools | Search and Rescue Drone Attachment System | Sasha Lee, Adam VanderMolen | Michigan Invention Convention and Showcase |
| Safety | Vivo - A COVID-19 Social Distancing Device | Suchita Srinivasan | Connecticut Invention Convention |
| Sports, Games and Toys | The Waterballer | David Morales | Northern New England Invention Convention - Young Inventors' Program |
| Transportation | A SuperSeam: Improving the Durability of a Solar Sail | Destynn Keuchel | Ohio Invention Convention by Invention League |

Specialty Award Winners

| AWARD | INVENTION | NAME | AFFILIATE |
|---|---|----------------------|---|
| Aerospace Award: Presented by Raytheon Technologies | A SuperSeam: Improving the Durability of a Solar Sail | Destynn Keuchel | Ohio Invention Convention by Invention League |
| Best Engineering Award: Presented by Maxim Integrated | Thermo-Bat | Lila Nanisetty | Chicago Student Invention Convention |
| Connectivity Award: Presented by Raytheon Technologies | Heart Helper | Eli Ashby, Mia Stroh | Invent Idaho |
| Inclusion Award: Presented by Raytheon Technologies | Electrical Spine Stimulating Implant | Ethan Hunt | Invent Idaho |

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Specialty Award Winners (continued)

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|--|---|---------------------------------------|---|
| Innovation in Automotive Award: Presented by Maxim Integrated | DORI Alert System: Don't Forget Your Child™ | Serena Kasai-Hazekamp | Gulf Coast Invention Convention |
| Innovation in Electronics Award: Presented by Arrow Electronics | S.E.N.S.E. - A Multipurpose Robotic Glove Designed to Teach Sign Language Through Guided Manual Motions | Soham Joshi, Raaghav Malik | Ohio Invention Convention by Invention League |
| Innovation in Energy Award: Presented by Chevron Corporation | The Sani-Pay | Haley Young | Connecticut Invention Convention |
| Innovation in Medical Technology: Presented by Danaher Corporation | The BioPad | Vince Vuturo | Invent Idaho |
| Kettering Built Award: Presented by Kettering University | The Ultimate Filter | Gauri Kumbar | Connecticut Invention Convention |
| Make the World Award: Presented by Stanley Black & Decker | Water Holder 2021 | Zander Ross | California Invention Convention |
| Most Energy Sustainable Award: Presented by Avangrid Foundation | Battery Swap | Nicolette Buonora, Lauren Strechay | Massachusetts Invention Convention |
| Technology of Tomorrow: Presented by Raytheon Technology | Power Purifier | Katie Russell | Connecticut Invention Convention |
| Zero Hunger Zero Waste Award: Presented by the Kroger Zero Hunger Zero Waste Foundation | Walking Shipping Container Home | Emma Kaipainen | Michigan Invention Convention and Showcase |

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Patent Application Winners

| AWARD | INVENTION | NAME | AFFILIATE |
|--|---|--|--|
| Presented by WilmerHale | S.E.N.S.E. - A Multipurpose Robotic Glove Designed to Teach Sign Language Through Guided Manual Motions | Soham Joshi, Raaghav Malik | Ohio Invention Convention by Invention League |
| Presented by WilmerHale | Eco-Orbs | Cindy Chen, Piper Pearson | Georgia Tech K-12 InVenture Prize |
| Presented by WilmerHale | Power Purifier | Katie Russell | Connecticut Invention Convention |
| Presented by WilmerHale | All-Season Hamster Hut | Shellie Hance | California Invention Convention |
| Presented by WilmerHale | Pool Protector | Lily Roberts | Connecticut Invention Convention |
| Presented by CantorColburn-Connecticut | Happy Kelp | Kaitlyn Kelleter | Maine Invention Convention |
| Presented by CantorColburn-Detroit and General Motors | Ferro-Sponge: A Novel Way for Removing Microplastics and Cleaning Oil | Snigtha Mohanraj | Connecticut Invention Convention |
| Presented by CantorColburn-Detroit and General Motors | Garbage Lot | Damian Earley | Ohio Invention Convention by Invention League |
| Presented by Cooley | The Bio-Battery | Roxsonna Janiszewski, Srigouri Oruganty | Pennsylvania Invention Convention |
| Presented by Cooley | Little Farm Mess Helper | Jenna Henkes | Ohio Invention Convention by Invention League |
| Presented by Clark Hill | Battery Swap | Nicolette Buonora, Lauren Strechay | Massachusetts Invention Convention |
| Presented by Clark Hill | CarC SPY: A Novel AI-Based Electrochemical Biosensor for Early Cancer Detection | Jyothikaa Ramann | California Invention Convention |

Invention Process Winners

| AWARD | INVENTION | NAME | AFFILIATE |
|--------------------------------|--------------------|--|---|
| Best Video Presentation | Kinetic Kickz 2.0 | Lino Marrero | Invention Convention Independent Program |
| Best Logbook | Magic Medicine Kit | Cala Watson | California Invention Convention |
| Best Logbook | The Eco-Filter | Kurukulasuriya Nishini Amaya Fernando | Gulf Coast Invention Convention |
| Best Display Board | MailBot | Tyler Parks | Michigan Invention Convention and Showcase |
| Best Prototype | Banana Shield | William Kehoe | Massachusetts Invention Convention |

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Global Change Winners

| AWARD | INVENTION | NAME | AFFILIATE |
|---|--|---------------------|---|
| Accessibility Award | Alice's Arm | Isabelle Strobel | Ohio Invention Convention by Invention League |
| Community/ Societal Benefit Award: Sponsored by Lemelson | Advent - A Comprehensive Low Cost Automatic Ventilator and Vital Signs Monitor | Anish Bhethanabotla | California Invention Convention |

Global Impact Winners

| AWARD | INVENTION | NAME | AFFILIATE |
|--------------------------|---------------------|------------------------------|-----------------------------------|
| Market Potential | Baby Saver | Kelly Ann Greene | Kansas City Invention Convention |
| Value Proposition | My Skin App | Sameer Balhara, Ameya Jadhav | Georgia Tech K-12 InVenture Prize |
| Social Value | The Turtle Tent | Lily Zezula | Connecticut Invention Convention |
| Originality | The Ultimate Filter | Gauri Kumbar | Connecticut Invention Convention |

People's Choice Winner

| AWARD | INVENTION | NAME | AFFILIATE |
|------------------------|---|---------------------------------|---------------------------------|
| People's Choice | Chaeto Biofilters: Chemically Modified Chaetomorpha to Mitigate Ocean Acidification | Christopher Kwok, Nicholas Kwok | California Invention Convention |

Most Innovative Winner

| AWARD | INVENTION | NAME | AFFILIATE |
|--|---|----------------------------|---|
| Most Innovative Award: Presented by Raytheon Technologies | S.E.N.S.E. - A Multipurpose Robotic Glove Designed to Teach Sign Language Through Guided Manual Motions | Soham Joshi, Raaghav Malik | Ohio Invention Convention by Invention League |

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