

**Raytheon Technologies Invention Convention US Nationals powered by The Henry Ford  
Official Rules**

**NO PURCHASE NECESSARY TO ENTER OR WIN. A PURCHASE DOES NOT INCREASE YOUR CHANCES OF WINNING. VOID WHERE PROHIBITED.** Raytheon Technologies Invention Convention U.S. Nationals powered by The Henry Ford ("Promotion") begins at 9:00:00 AM Eastern Time ("ET") on April 1, 2022 and ends at 11:59:59 PM ET on May 12, 2022 ("Promotion Period"). *The promotion contains a contest of skill ("Contest"). The computer clock of Sponsor is the official time-keeping device in the Promotion.*

- 1. ELIGIBILITY:** The Promotion is open only to K-12 students from the below affiliates who qualified in their state and received an invite to the Raytheon Technologies Invention Convention U.S. Nationals competition. Promotion is open only to legal residents of the 50 United States. Employees, officers and directors of The Henry Ford (the "Sponsor"), and any of its subsidiaries and affiliates, Realtime Media LLC, their respective parent companies, affiliates, subsidiaries, advertising, and fulfillment and marketing agencies, (collectively, "Promotion Parties") their immediate families (parent, child, sibling & spouse and their respective spouses, regardless of where they reside) and persons living in the same households as such individuals (whether related or not) are not eligible to participate in the Promotion. By participating in the Promotion, you release, discharge and hold harmless Promotion Parties, their respective parents, affiliates, subsidiaries, retailers, advertising and promotion agencies and the respective officers, directors, employees and agents of each of the foregoing, from any and all damages whether direct or indirect, which may be due to or arise out of participation in the Promotion or any portion thereof, or the acceptance, use/misuse or possession of any prize. By participating, you agree to these Official Rules and to the decisions of the judges and Sponsor, which are final and binding in all respects. Void where prohibited by law, rule or regulation. All federal, state and local laws and regulations apply.

To be eligible, participants must travel to The Henry Ford Museum of American Innovation (20900 Oakwood Blvd., Dearborn, MI 48124), and will be required to be onsite from June 1<sup>st</sup>-June 3<sup>rd</sup>. in person, accompanied by at least one (1) Guardian who is over eighteen (18) years of age. Participants will also be required to pay a \$325 entry fee. Additional guests will be required to pay a \$350 entry fee. Participants will receive a Family Membership with a Ride Pass to The Henry Ford and will have free access to all of its venues during the timeframe of the event. Three (3) lunches and two (2) dinners will be provided to the participants during this time.

**AFFILIATES:** Students must have qualified for the Raytheon Technologies Invention Convention U.S. Nationals competition by participating in one of these Affiliates' events and have received an invitation to compete. Students may also qualify through the Independent Inventor Program.

- California: California Invention Convention
- Connecticut: Connecticut Invention Convention
- Florida: Gulf Coast Invention Convention
- Florida: Tampa Bay Invention Convention
- Georgia: Georgia Tech K-12 Inventure Prize
- Idaho: Invent Idaho
- Illinois: Chicago Student Invention Convention
- Iowa: Invent Iowa
- Missouri: Kansas City Invention Convention
- Kansas: Wichita Invention Convention
- Maine: Maine Invention Convention
- Massachusetts: Massachusetts Invention Convention
- Michigan: Invention Convention Michigan
- North Carolina: Winston-Salem Invention Convention

- Northern New England: Northern New England Invention Convention
- New York: Western New York Invention Convention
- Ohio: Ohio Invention Convention
- Pennsylvania: Pennsylvania Invention Convention

Tennessee: Middle Tennessee State Invention Convention

- Wisconsin: Northeast Wisconsin Invention Convention

**2. TIMING:** The Promotion will consist of three (3) phases, as detailed below:

- **Contest Entry Period:** Begins at or about 09:00:00 AM ET on April 1, 2022 and ends at 11:59:59 PM ET on May 12, 2022
- **Online Judging Period:** Begins at or about 9:00:00 AM ET on May 20, 2022 and ends at 11:59:59 PM ET on May 27, 2022
- **In-person Judging Period:** Begins at or about 9:00 AM ET on June 2, 2022 and ends at 5:00 PM ET on June 2, 2022.
- **Winner Announcement:** The winners will be announced on or about June 3, 2022

**3. HOW TO PARTICIPATE:** Because our registration is private, students can only access the registration page on [national.inventionconvention.org](http://national.inventionconvention.org) with a direct link to the private registration page. No one without the link is able to register. If you have not received your link, please contact your Affiliate during the Contest Entry Period to gain access to the registration form and to upload your Affiliate state/regional event qualifying science fair project. Complete the registration form with your true and correct information in the required fields (required fields include, Student First Name, Student Last Name, Parent Full Name, Parent Phone, Parent Email, Names of additional attendees, Gender, Ethnicity, Grade, Age of Inventor, Picture of student, Shirt Size, Primary Language, Other Language(s), Affiliate Name, School Name, and Years in Invention Convention.) You will also have the opportunity to opt-in to additional awards you believe your entry qualifies for.

Additionally, you will be required to provide the following information of your Affiliate state/regional event qualifying science fair project to complete your Entry:

- Team Project (Y/N)
- Category
- Project Title
- Project Description
- Video (4 minutes minimum, 6 minutes maximum) **For more information go to (** [https://inhub.thehenryford.org/docs/default-source/icw-documents/invention-convention-u.s.-nationals--rubric-and-supporting-materialsff0ac8a0-74fd-495d-a9f5-8ce12f3346b8.pdf?Status=Master&sfvrsn=3336f453\\_3/%20Invention-Convention-U.S.-Nationals--Rubric-and-Supporting-Materialsff0ac8a0-74fd-495d-a9f5-8ce12f3346b8%20.pdf](https://inhub.thehenryford.org/docs/default-source/icw-documents/invention-convention-u.s.-nationals--rubric-and-supporting-materialsff0ac8a0-74fd-495d-a9f5-8ce12f3346b8.pdf?Status=Master&sfvrsn=3336f453_3/%20Invention-Convention-U.S.-Nationals--Rubric-and-Supporting-Materialsff0ac8a0-74fd-495d-a9f5-8ce12f3346b8%20.pdf) **)**
- Picture of display board (PDF) **For more information go to (** [https://inhub.thehenryford.org/docs/default-source/icw-documents/invention-convention-u.s.-nationals--rubric-and-supporting-materialsff0ac8a0-74fd-495d-a9f5-8ce12f3346b8.pdf?Status=Master&sfvrsn=3336f453\\_3/%20Invention-Convention-U.S.-Nationals--Rubric-and-Supporting-Materialsff0ac8a0-74fd-495d-a9f5-8ce12f3346b8%20.pdf](https://inhub.thehenryford.org/docs/default-source/icw-documents/invention-convention-u.s.-nationals--rubric-and-supporting-materialsff0ac8a0-74fd-495d-a9f5-8ce12f3346b8.pdf?Status=Master&sfvrsn=3336f453_3/%20Invention-Convention-U.S.-Nationals--Rubric-and-Supporting-Materialsff0ac8a0-74fd-495d-a9f5-8ce12f3346b8%20.pdf) **)**
- Logbooks (PDF) **For more information go to (** [https://inhub.thehenryford.org/docs/default-source/icw-documents/invention-convention-u.s.-nationals--rubric-and-supporting-materialsff0ac8a0-74fd-495d-a9f5-8ce12f3346b8.pdf?Status=Master&sfvrsn=3336f453\\_3/%20Invention-Convention-U.S.-Nationals--Rubric-and-Supporting-Materialsff0ac8a0-74fd-495d-a9f5-8ce12f3346b8%20.pdf](https://inhub.thehenryford.org/docs/default-source/icw-documents/invention-convention-u.s.-nationals--rubric-and-supporting-materialsff0ac8a0-74fd-495d-a9f5-8ce12f3346b8.pdf?Status=Master&sfvrsn=3336f453_3/%20Invention-Convention-U.S.-Nationals--Rubric-and-Supporting-Materialsff0ac8a0-74fd-495d-a9f5-8ce12f3346b8%20.pdf) **)**

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- “What is the problem your invention solves?”
- “How does your invention solve the problem?”
- “Explain how your invention is better and different than other existing inventions. What research have you completed to verify that your invention is better and different? Be specific regarding completed research.”
- For research purposes, Invention Convention Worldwide is interested in knowing the patent status of student inventions, if applicable. This will not affect scoring. (multiple choice)
  - No Patent Application
  - Provisional Patent Application submitted
  - Patented Considering
  - Patent Process

**Limit of one (1) Entry per person or team (a team may consist of no more than 4 student inventors), throughout the Promotion Period.** You may not submit an entry as an individual inventor and a team member. Team Members who do not attend the event or are not present for judging will not be considered for an award.

By submitting an Entry, you hereby grant permission for your Entry to be posted on national.inventionconvention.org, thehenryford.org or other websites. You agree that Promotion Parties are not responsible for any unauthorized use of Entries by third parties. Promotion Parties do not guarantee the posting of any Entry. You agree that you will not use the Entry for any other purpose, including, without limitation, posting the Entry to any online social networks (other than for entry into this Promotion), without the express consent of Sponsor in each instance.

By submitting an Entry, you represent and warrant that the work submitted is original to you and that neither it nor its contents infringes upon or violates the rights of any third party. If your Entry includes likenesses of third parties or contains elements not owned by you, (such as, but not limited to, company logos) you must be able to provide legal releases for such use in a form satisfactory to Sponsor or your Entry will be disqualified. Entries may not defame or invade the publicity rights or privacy of any person, living or deceased, or otherwise infringe upon any person’s personal or proprietary rights.

**REQUIREMENTS OF CONTEST ENTRIES:** Entries may not contain, as determined by the Sponsor, in its sole discretion, any content that:

- Is sexually explicit; unnecessarily violent or derogatory of any ethnic, racial, gender, religious, professional or age group; profane or pornographic; contains nudity;
- Promotes alcohol, illegal drugs, tobacco, firearms/weapons (or the use of any of the foregoing); promotes any activities that may appear unsafe or dangerous; promotes any particular political agenda or message;
- Is obscene or offensive; endorses any form of hate or hate group;
- Appears to duplicate any other submitted contest entries;
- Defames, misrepresents or contains disparaging remarks about other people or companies;
- Contains trademarks, logos, or trade dress (such as distinctive packaging or building exteriors/interiors) owned by others, without permission;
- Contains any personal identification, such as license plate numbers, personal names, e-mail addresses or street addresses;
- Contains copyrighted materials owned by others (including photographs, sculptures, paintings, and other works of art or images published on or in websites, television, movies or other media), without permission;
- Contains any individual other than you and/or any materials embodying the names, likenesses, voices, or other indicia identifying any person, including, without limitation, celebrities and/or

other public or private figures, living or dead, without providing legal releases for such use in a form satisfactory to Sponsor;

- Contains look-alikes of celebrities or other public or private figures, living or dead;
- Communicates messages or images inconsistent with the positive images and/or good will to which Sponsor wishes to associate; and/or
- Violates any law.

By submitting an Entry, you represent and warrant that your Entry is original to you and that neither it nor its contents infringes upon or violates the rights of any third party, including any copyrights, trademarks, rights of privacy, publicity or other intellectual property. By submitting an Entry, you warrant and represent that you consent to the submission and use of the Entry in the Contest and to its use as otherwise set forth herein.

By submitting an Entry, you acknowledge and agree that Sponsor may receive other Entries under this Promotion that may be similar or identical to the Entry submitted by you, and you waive any and all claims you may have had, may have, and/or may have in the future, that any other Entry reviewed and/or used by Sponsor may be similar to your Entry and you understand that you will not be entitled to any compensation because of Sponsor's use of such other similar or identical material.

- 4. ONLINE JUDGING:** Begins at 9:00:00 AM ET on May 20, 2022 and ends at 11:59:59 PM ET on May 27, 2022.

First, the Sponsor will review all Entries for their originality and score them accordingly, based on the rubric provided below. Partners and law-firms will use the originality score as a guideline for which Entries should be considered for Specialty Awards and Patent Awards. Partners and law firms may also request shortlists of only the top originality scoring Entries for consideration. Partners and law-firms will use the judging criteria below, along with the originality score, to ultimately determine the Specialty Awards and Patent Awards winners. Partners reserve the right to alter their scores upon judging the students in person at the event. Law Firms administering the Patent Awards reserve the right to only award students who attend the event and are judged in person.

The online judging panel, from all over the world, representing various fields and industries, will then score all Entries based on the judging criteria below determining the score for the online pitch which will be entered as part of the inventors' overall score after in person judging is complete.

- 5. IN-PERSON JUDGING:** Begins at or about 9:00 AM ET on June 2, 2022 and ends at 5:00 PM ET on June 2, 2022.

Inventors will be judged by panels of judges in-person at The Henry Ford Museum of American Innovation. If part of a team, only team members who are present for judging will be considered for an award. The top 10 scoring projects for K-12, Industry, Invention Process, Global Impact, and Global Change Awards will be reviewed by a panel of judges, including the judge committee, to ensure the scoring process and determine the winners.

Specialty Awards, Patent Application Awards and Best in Show winners are determined by sponsor judges using the rubric below.

The Best Display Board Award winner (Listed under Invention Process Awards in section 6) will be determined by using the Display Board Judging Criteria detailed below.

The Logbook Award winner (listed under Invention Process Awards in section 6) will be determined by the Logbook Judging Committee. The final winner will be determined by using the Logbook Judging Criteria detailed below. In the case of a tie, up to two inventions can win the Logbook Award.

**ORIGINALITY JUDGING CRITERIA:** Judges will use the following rubric to guide each invention's originality score. They will document their reasoning in their tracking document. Judges will independently give each invention an originality score which can be any integer 0-15. The following examples will guide their scoring:

a. 0 points would be awarded in the case that the invention can be found online, at a store, or already has an existing patent.

b. 5 points would be awarded in the case that the concept of the invention already exists and the student's invention is different, but only minor changes have been made: size is larger/smaller, design is different, mechanics are different but functionality is the same.

c. 10 points would be awarded in the case that the concept exists, but major changes have been made altering the design and functionality of the invention.

d. 15 points would be awarded in the case that the invention does not exist and no pre-existing patents can be found.

**OVERALL JUDGING CRITERIA:**

| Category                            | Dimension   | Description   | Points |
|-------------------------------------|---|---|--------|
| <b>Invention Process (40)</b>       | <b>Identifying &amp; Understanding</b>  | The Identifying stage occurs when inventors seek problems they want to solve. This stage involves how inventors uncover problems and discover who else might experience the same problem.<br><br>Understanding a problem requires research to identify existing solutions that solve the identified problem and the shortcomings of those solutions. Understanding also includes researching the impact the problem may have on others.           | 10     |
|                                     | <b>Ideating</b>   | Ideating refers to the brainstorming or imagination stage inventors go through to generate a variety of original ideas. Ideation includes developing specific criteria for a successful solution.<br><br><i>Note: An inventor's idea/s may be updated at any time throughout the invention process.</i>   | 10     |
|                                     | <b>Designing &amp; Building</b>   | Designing an invention or a prototype requires critical-thinking skills; inventors are expected to articulate how they intend the invention to work and why they chose the materials they did for executing their invention.  | 10     |
|                                     | <b>Testing &amp; Refining</b>   | The keys to this step are iterations, improvements and perseverance. The best inventors know the first build is often not the best and seek feedback through testing and refining their design accordingly.   | 10     |
| <b>Invention Impact (25)</b>        | <b>Market Research</b><br><i>Note: Judges look for research quality, not market size.</i> | Market Research assesses the likelihood of an invention gaining users.<br>1. How would you characterize the potential market? Who are the potential users?<br>2. How likely is the identified market to adopt the solution?<br>3. To what extent was the market appropriately researched? Inventors are encouraged to use both quantitative research (e.g., statistics) and qualitative research (e.g., interviewing experts or potential users). | 5      |
|                                     | <b>Environmental &amp; Societal Impact</b>  | Inventors are asked to consider and communicate the potential environmental and/or societal impacts of their invention, both positive and negative (pros and cons). To what extent does the invention improve environmental/societal conditions or have a minimal adverse impact?   | 5      |
| <b>Invention Impact (Continued)</b> | <b>Originality</b>  | Does the inventor demonstrate that their invention is better or different from existing solutions? Do they show how it is distinguishable from prior inventions? It is important to conduct and communicate research from a variety of sources to establish and verify originality.   | 15     |

|                                    |                                       |   |            |
|------------------------------------|---------------------------------------|---|------------|
| <b>Inventor Communication (35)</b> | <b>Logbook</b>                        | <ol style="list-style-type: none"> <li>Does the Logbook document a journey, not just a report done after the fact?</li> <li>Does the Logbook thoroughly document/explain all aspects of the Invention Process (Problem Identification, Understanding, Ideating, Designing, Building, Testing and Communicating) in a detailed manner?</li> </ol>  | 10         |
|                                    | <b>Display Board</b>                  | <ol style="list-style-type: none"> <li>Does the Display Board support the inventor's presentation by communicating significant aspects of the Invention Process?</li> <li>Does the display have strong visual appeal, such as eye-catching colors, pictures, graphs and variety?</li> <li>Are grammar, spelling and punctuation correct and, if hand-printed, neatly done?</li> </ol>   | 5          |
|                                    | <b>Prototype or Model</b>             | <p>Does the Prototype support the inventor's presentation and clearly communicate the key characteristics that address the identified problem?</p> <p><i>Note: Outside assistance and collaboration is acceptable as long as the student is driving the process and documents outside help. Inventors should only do what they can do safely. Credit should be given where assistance was received.</i></p>   | 5          |
|                                    | <b>Video Presentation</b>             | <p>The Video Presentation should be informative, energetic and speak to the originality of the invention. Inventors should include information on the first two categories of the rubric (Invention Process and Invention Impact). Inventors should prioritize communicating the Invention Process and challenges encountered while completing that process and explain completed research relating to the originality of the invention. Maximum limit of six minutes; minimum limit varies by grade.</p> | 5          |
|                                    | <b>Live Presentation with Q&amp;A</b> | <p>The Live Presentation with Q&amp;A takes place during the event and is very similar to the online presentation video but with the addition of a judge and peer question-and-answer portion. Presentations should provide enough information so that a judge can score all aspects of the above rubric (except for the Video Presentation, as that is scored separately). Presentations should not exceed five minutes for Live Presentation, with time for Q&amp;A afterward.</p>                      | 10         |
| <b>TOTAL</b>                       |                                       |   | <b>100</b> |

**DISPLAY BOARD JUDGING CRITERIA:** Display board judging is based on thoroughness and creativity. Judges will evaluate each board according to the rubric below as well as the depth of explanation provided by the entrant.

| Criteria             | Description   | Points Possible |
|----------------------|---|-----------------|
| <b>Content</b>       | <p><b>Minimal to Average:</b><br/>Includes name of invention, inventor's name and grade, plus patent status and school/state.</p> <p>Essential design process content (in paragraphs or bullet points): problem statement, brainstorming ideas, test and revise/various iterations and improvements.</p> <p><b>Above Average to Excellent:</b><br/>Quality of required essential criteria (explained above) is a deciding factor. Contains all essential content but also includes in-depth, thorough descriptions and details (age appropriate).</p> <p>Options for going above and beyond include but are not limited to: pictures, statistics, market potential, depth of the problem, age-appropriate research citations (beyond Google), interviews, analysis.</p> | 0-3             |
| <b>Visual Appeal</b> | <p><b>Minimal to average:</b><br/>Instantly grabs viewer's attention. All items are spelled correctly, mounted and cut neatly (age appropriate). Uses color scheme. Adds visual appeal. Clean, neat, colorful, eye-catching display.</p> <p><b>Above Average to Excellent:</b><br/>Unique aspects, original factors making display pop, full of essential content but well-organized and not crowded.</p>   | 0-2             |

**LOGBOOK JUDGING CRITERIA:**

| Criteria                            | Description  | Points Possible |
|-------------------------------------|--|-----------------|
| <b>Inventing Process</b>            | <p>Logbook must document student initiative and the inventing process. Information should begin with brainstorming and continue through to completion of the invention (include modifications/improvements/all changes from beginning to end).</p> <p>Logbook documents how idea originated; evidence of student being the main contributor to the project (students should do all work appropriate for their grade level; adult help is encouraged regarding any safety issues, such as using power tools).</p> | 0-4             |
| <b>Research &amp; Documentation</b> | <p>Document research related to the general topic as well as the existence of similar inventions (supports originality).</p> <p>Lists all items used, including borrowed and repurposed.</p> <p>Documents expenses under \$50 for purchased materials.</p> <p>Documents help from adults.</p>  | 0-4             |
| <b>Analysis</b>                     | <p>Provides analysis of the invention benefits/consequences: environmental, societal, market potential.</p> <p>Gives pros/cons of design process.</p>  | 0-2             |

Entries that do not contain all required entry information or are considered inappropriate for any reason are not eligible. Eighty-three (83) Entries with the top 10 highest scores from the Judges in the individual award categories will be deemed the potential winners and move on to be reviewed by a panel of judges, unless said award is chosen by sponsors. Ties are broken at the discretion of the Judging Committee. Factors will include: 1. Total Overall Score. 2. Live Q&A score 3. Individual category scores in the order of Originality, Identifying & Understanding, Ideating, Designing & Building, and Testing & Refining. If there is still a tie at that point, the Judging Committee will consider the remainder of the Invention Impact scores and finally, Inventor Communication scores. Sponsor reserves the right not to award all prizes or to choose fewer than eighty-three (83) if, in its sole discretion, it does not receive a sufficient number of eligible and qualified Entries. Prize awards are subject to verification of eligibility and compliance with these Official Rules.

- 6. WINNER NOTIFICATION:** Cash prizes and scholarships will be awarded only upon winner redemption, confirmation, verification and final approval by Sponsor. No substitution, transfer of any prize or cash alternative permitted, except by Sponsor who reserves the right, in its sole discretion, to substitute a prize of equal or greater value, if prize, or portion of prize, becomes unavailable. The potential Contest Prize winners will be contacted by email and/or phone within six (6) business days of winner announcement. Potential winner(s) will have three (3) days to respond to winning notification before forfeiting their prize. Potential winners of a prize valued at over \$600 will be sent an Affidavit of Eligibility/Liability Release via email. All forms must be completed, signed, notarized and returned to Administrator within three (3) business days of date of issuance. Potential winner becomes the “Winner” only after verification of eligibility by Sponsor. All cash prizes will be fulfilled in approximately six (6) to eight (8) weeks after the promotion has ended via PayPal or check. Legal guardians of winners of a cash prize who wish to receive said cash prize via PayPal will be required to register for a free PayPal account if they do not already have one. If the potential winning entrant of any prize cannot be contacted; is ineligible; fails to claim the prize; if the Prize Notification is returned undeliverable; or if the potential winner otherwise fails to fully comply with these Official Rules, he/she will forfeit that prize. Winners will be announced June 3<sup>rd</sup>, 2022.

**7. PRIZES/PRIZE RESTRICTIONS:** A total of eighty-three (83) prizes will be awarded during the Promotion.

**K-12 AWARDS (39):** Three (3) winners from each grade (13 grades) will be chosen as winners of one (1) of the following prizes:

- **1st Place:** Gold 1st Place Medal, \$100 Cash Prize, Personalized Certificate
- **2nd Place:** Silver 2nd Place Medal, Personalized Certificate
- **3rd Place:** Bronze 3rd Place Medal, Personalized Certificate

**The Approximate Retail Value (“ARV”) of all K-12 Awards is \$1,300-\$5,200** (actual retail value depends on how many participants on a winning team)

**INDUSTRY INNOVATION AWARDS (12):**

- **Agriculture and Food:** \$200 Cash Prize, Trophy, Personalized Certificate
- **Animal Care and Pets:** \$200 Cash Prize, Trophy, Personalized Certificate
- **Consumer Goods and Fashion:** \$200 Cash Prize, Trophy, Personalized Certificate
- **Environmental and Sustainability:** \$200 Cash Prize, Trophy, Personalized Certificate
- **Education:** \$200 Cash Prize, Trophy, Personalized Certificate
- **Energy Award Presented by ITC:** \$500 Scholarship, Trophy, Personalized Certificate
- **Health and Medical:** \$200 Cash Prize, Trophy, Personalized Certificate
- **Household Organization and Appliances:** \$200 Cash Prize, Trophy, Personalized Certificate
- **Manufacturing and Tools:** \$200 Cash Prize, Trophy, Personalized Certificate
- **Safety:** \$200 Cash Prize, Trophy, Personalized Certificate
- **Sports, Games and Toys:** \$200 Cash Prize, Trophy, Personalized Certificate
- **Transportation:** \$200 Cash Prize, Trophy, Personalized Certificate

**The total ARV of all Industry Innovation Award Prizes is \$2,700-\$10,800** (actual retail value depends on how many participants on a winning team)

**INVENTION PROCESS AWARDS (6):**

- **Best Video Presentation Award:** \$200 Cash Prize, Trophy, Personalized Certificate
- **(1-2)Best Logbook Award:** \$200 Cash Prize, Trophy, Personalized Certificate
- **Best Display Board Award:** \$200 Cash Prize, Trophy, Personalized Certificate
- **Best Prototype Award:** \$200 Cash Prize, Trophy, Personalized Certificate
- **Best Live Presentation:** \$200 Cash Prize, Trophy, personalized Certificate

**The ARV of all Invention Process Award Prizes is \$1,200-\$4,800** (actual retail value depends on how many participants on a winning team)

**GLOBAL IMPACT AWARDS (3):**

- **Market Research:** \$200 Cash Prize, Trophy, Personalized Certificate
- **Environmental and Societal Impact:** \$200 Cash Prize, Trophy, Personalized Certificate
- **Originality:** \$200 Cash Prize, Trophy, Personalized Certificate

**The total ARV of all Global Impact Award Prizes is \$600-\$2,400** (actual retail value depends on how many participants on a winning team)

**GLOBAL CHANGE AWARDS (2):**

- **Accessibility Award:** \$200 Cash Prize, Trophy, Personalized Certificate



- **Community/Societal Benefit Award Presented by The Lemelson Foundation:** \$200 Scholarship, Trophy, Personalized Certificate

**The total ARV of all Global Change Award Prizes is \$400-\$1,200** (actual retail value depends on how many participants on a winning team)

**SPECIALTY AWARDS (9):**

- **Aerospace Award Presented by Raytheon Technologies:** \$1,000 Scholarship, Trophy, Personalized Certificate
- **Innovation in Electronics Award Presented by Arrow Electronics:** \$500 Scholarship, Trophy, Personalized Certificate
- **Connectivity Award Presented by Raytheon Technologies** \$1,000 Scholarship, Trophy, Personalized Certificate
- **Make the World Award Presented by Stanley Black & Decker:** \$500 Scholarship, Trophy, Personalized Certificate
- **Most Energy Sustainable Award Presented by Avangrid Foundation:** \$500 Scholarship, Trophy, Personalized Certificate
- **Research Award Presented by Gartner:** \$500 Scholarship, Trophy, Personalized Certificate
- **Technology of Tomorrow Award Presented by Raytheon Technologies:** \$1,000 Scholarship, Trophy, Personalized Certificate
- **Inclusion Award Presented by Raytheon Technologies:** \$1,000 Scholarship, Trophy, Personalized Certificate
- **Innovation in Mobility Award presented by Ford STEM:** \$500 Scholarship, Trophy, Personalized Certificate

**The total ARV of all Specialty Award Prizes is \$6,000-\$24,000** (actual retail value depends on how many participants on a winning team)

**PATENT APPLICATION AWARDS (11):**

- **(5) Patent Application Awards Presented by the Law Firm of WilmerHale:** Official Letter from Patent Attorney, Trophy, Personalized Certificate (ARV up to \$25,000 each)
- **(2) Patent Application Awards Presented by the Law Firm of Cooley:** Official Letter from Patent Attorney, Trophy, Personalized Certificate (ARV up to \$25,000 each)
- **(1) Patent Application Award Presented by the Law Firm of Cantor Colburn, Connecticut:** Official Letter from Patent Attorney, Trophy, Personalized Certificate (ARV up to \$25,000)
- **(2) Patent Application Awards Presented by the Law Firm of Cantor Colburn, Detroit and GM:** Official Letter from Patent Attorney, Trophy, Personalized Certificate (ARV up to \$25,000 each)
- **(1) Patent Application Awards Presented by the Law Firm of Clark Hill:** Official Letter from Patent Attorney, Trophy, Personalized Certificate (ARV up to \$25,000 each)

**The total ARV of all Patent Application Award Prizes is \$275,000-\$1,100,000** (actual retail value depends on how many participants on a winning team)

**BEST OF SHOW AWARDS (1):**

- **Most Innovative Award Presented by Raytheon Technologies:** \$2,500  
Scholarship, Trophy, Personalized Certificate

**The total ARV of all Best of Show Award Prizes is \$2,500-\$10,000** (actual retail value depends on how many participants on a winning team)

**The total ARV of all Promotion Prizes is \$289,700-\$1,158,800** (actual retail value depends on how many participants from each winning team)

- 8. PRIZE LIMITATIONS:** Limit of up to four (4) prizes per person. An Entry may not receive more than one (1) award per category. An Entry may not receive more than two (2) awards total with the exception of the Patent Awards and Best in Show. If the Entry has already won two (2) awards, and is the top scoring in an additional category, the next top scoring invention that has not won two (2) awards will be the award winner. If it is discovered during prize verification you have entered, attempted to enter, or used multiple accounts to enter more than the stated limit, you will be disqualified at the discretion of the administrator, or will be void. Entries generated by script, macro or other automated means, which subvert the entry process, are void. All Entries become the property of Sponsor and will not be acknowledged or returned. Promotion Parties are not responsible for late, lost, stolen, damaged, delayed, or undelivered prizes.
- 9. OWNERSHIP OF ENTRIES:** By submitting an Entry, you agree to be bound by these Official Rules and grant Sponsor an exclusive, fully paid-up and royalty-free, worldwide license to use, modify, delete from, add to, publicly perform, publicly display, reproduce and translate your Entry, including without limitation the right to distribute all or part of your Entry in any media formats through any media channels. By submitting an Entry, you consent to the use, by Sponsor, its affiliates, subsidiaries, parents, and licensees, of your name, likeness, and image, in connection with the Event and Sponsor's related marketing activities, in any media or format now known or hereafter invented, in any and all locations, without any payment to or further approval from you. You agree that this consent is perpetual and cannot be revoked. For uses beyond the consent that you grant above, you agree that Sponsor's use of your personal data will be governed by the Privacy Policy posted on the Sponsor website.
- 10. GENERAL PRIZE CONDITIONS:** Prize will only be awarded by Sponsor upon potential winners' verification of eligibility and final approval by Sponsor. No prize substitution, cash equivalent of prizes, transfer or assignment of prizes is permitted, except by Sponsor which reserves the right to substitute a prize with one of comparable or greater value, in its sole discretion. If any winner is at least 18 but still considered a minor in his/her jurisdiction of residence, prize will be awarded in the name of his/her parent or legal guardian who will be responsible for fulfilling all requirements imposed on winners set forth herein.
- 11. MISCELLANEOUS:** Promotion Parties are not responsible for late, lost, incomplete, corrupted, stolen, garbled, damaged, delayed, undelivered or misdirected Entries, all of which are void. Online Entries will be considered to be entered by the authorized account holder of the e-mail address submitted at time of entry and he/she must comply with these Official Rules. The authorized account holder is deemed as the natural person who is assigned to an e-mail address by an Internet access provider, online service provider or other organization that is responsible for assigning e-mail addresses for the domain associated with the submitted e-mail address. By entering the Promotion, you recognize and agree that the registration information provided by you will be made available to Sponsor; use of such information will be governed by Sponsor's privacy policy found at <https://www.thehenryford.org/privacy-policy/>. Upon entering the Promotion, winners grant Sponsor the right to print, publish, broadcast, and use world-wide in any media now known or later developed, the winner's name, portrait, picture, voice, likeness, city and state of residence, and biographical information for any purpose, including but not limited to, in advertisements, publicity, and other communications, worldwide, in perpetuity, without additional compensation, notification or permission, except where prohibited by law. You agree to comply with these Official Rules and the decisions of the Sponsor and judges shall be binding and final.

**12. RELEASE:** As a condition of entering the Promotion, you agree that (1) under no circumstances will you be permitted to obtain awards for, and you hereby waives all rights to claim punitive, incidental, consequential or any other damages, and any claims, judgments or awards shall be limited to actual out-of-pocket expenses; (2) all causes of action arising out of or connected with this Promotion, or any prizes awarded, shall be resolved individually, without resort to any form class action; and (3) in no event will you be entitled to receive attorneys' fees. BY ENTERING THE PROMOTION, YOU AGREE TO RELEASE, DISCHARGE AND HOLD HARMLESS PROMOTION PARTIES AND THE RESPECTIVE OFFICERS, DIRECTORS, AND AGENTS OF EACH, FROM ANY AND ALL LIABILITY FOR ANY INJURY, LOSS, OR DAMAGE OF ANY KIND TO PERSONS, INCLUDING DEATH, AND PROPERTY, WHETHER DIRECT OR INDIRECT, WHICH MAY BE DUE TO OR ARISE OUT OF PARTICIPATION IN THE PROMOTION OR ANY PORTION THEREOF, OR THE ACCEPTANCE, USE/MISUSE OR POSSESSION OF PRIZES, OR ANY PRIZE-RELATED TRAVEL OR ACTIVITY. YOU WAIVE ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

**13. DISCLAIMER:** Promotion Parties are not responsible for printing or typographical errors in these Official Rules or in any Promotion-related materials. Sponsor reserves the right, in its sole discretion, to disqualify any individual that tampers with the entry process. Sponsor also reserves the right to terminate, suspend, cancel or modify the Promotion and award the prizes for the Promotion from among all eligible, non-suspect entries received (i) as of the date of termination using the judging procedure outlined above or in a random drawing for the Sweepstakes if for any reason this Promotion is not capable of running as planned due to any reason, including infection by computer virus, bugs, tampering, fraud, unauthorized intervention, technical failures or other causes that may corrupt or impair the integrity, fairness or proper play of the Promotion. Promotion Parties are not responsible or liable for any events which may cause errors and/or the Promotion to be stopped, including but not limited to any error, omission, interruption, deletion, defect, delay in operation or transmission, communications line failure, theft or destruction or unauthorized access to, or alteration of, entries, nor are they responsible for any problems or technical malfunction of any telephone, network or telephone lines, computer on-line systems, servers, or cable, satellite, or Internet Service Providers, computer equipment, software or any other failure of any email or entry to be received by Sponsor on account of technical problems, human error or traffic congestion on the Internet or at any web site, or any combination thereof, including any injury or damage to yours or any other person's computer relating to or resulting from participation in this Promotion or downloading any materials in this Promotion. Promotion Parties are not responsible for computer, mechanical, technical, electronic, network or other errors or problems, including any errors or problems that may occur in connection with the administration of the Promotion, the processing of Entries, or in any other Promotion-related materials. Promotion Parties may stop you from participating in this Promotion if you violate Official Rules or act, in Sponsor's sole discretion: (a) in a manner Sponsor determines to be not fair; (b) with an intent to annoy, threaten or harass any other entrant or the Sponsor; or (c) in any other disruptive manner. Should more prizes be awarded through a computer, hardware, or software malfunction, error or failure, or for any other reason, in any prize category, than are stated for that category in the Official Rules, Sponsor reserves the right to award only the number of prizes stated in the Official Rules for that category. In no event will more prizes be awarded than that listed in Section 6.

**CAUTION: ANY ACT OR ATTEMPT BY AN ENTRANT TO DELIBERATELY DAMAGE ANY WEBSITE OR UNDERMINE THE LEGITIMATE OPERATION OF THIS PROMOTION IS A VIOLATION OF CRIMINAL AND CIVIL LAWS. SHOULD SUCH AN ATTEMPT BE MADE, PROMOTION PARTIES RESERVE THE RIGHT TO SEEK DAMAGES AND OTHER REMEDIES (INCLUDING ATTORNEYS' FEES) FROM ANY SUCH INDIVIDUAL(S) TO THE FULLEST EXTENT PERMITTED BY LAW.**

**14. CHOICE OF LAW AND JURISDICTION:** Except where prohibited, all issues and questions concerning the construction, validity, interpretation, and enforceability of these Official Rules, or the rights and obligations of entrants or winners, Sponsor, and administrator in connection with this Promotion, shall be governed by, and construed in accordance with, the laws of the State of Michigan, without giving

effect to any choice of law or conflict of law rules or provisions (whether of the State of Michigan or any other jurisdiction), which might otherwise cause the application of the laws of any jurisdiction other than the State of Michigan. Any action seeking legal or equitable relief arising out of or relating to the Promotion or these Official Rules shall be brought only in the courts of the State of Michigan. You hereby irrevocably consent to the personal jurisdiction of said courts and waive any claim of forum non-convenience or lack of personal jurisdiction they may have.

- 15. TAX INFORMATION:** All federal, state, local, and other taxes on prizes and any other costs and expenses associated with prize acceptance and use not specified herein as being provided, are the sole responsibility of the applicable winner. A 1099 tax form will be issued to the winners of prizes valued at over \$600.
- 16. WINNERS LIST:** To receive the list of winners of prizes, send a #10 self-addressed stamped envelope for receipt by July 15, 2022 to: Raytheon Technologies Invention Convention U.S. Nationals powered by The Henry Ford Winners List Request, c/o Realtime Media, 1001 Conshohocken State Road, STE 2-100, West Conshohocken, PA 19428.

**SPONSOR:** The Henry Ford, 20900 Oakwood Blvd., Dearborn MI, 48124

**ADMINISTRATOR:** Realtime Media LLC, 1001 Conshohocken State Road, STE 2-100, West Conshohocken, PA 19428