

Judging Criteria for categories: Design & Construction, Education, Energy & Environment, Food & Retail, Safety and Security, Transport and Wearable Technology

(Yrs 7-11)

Originality of idea	Does the idea or project show creative thinking? Does it stand out from the crowd? Is your idea unique and original? Are there similar solutions for this market? Perhaps your innovation is an alternative to existing solutions or an evolution of an existing solution?
Quality of your research methods and your presentation	We want you to do this your own way but we have put together some helpful guidelines to make your approach to research more effective.
Clarity of idea	Is the project or idea clearly described? Is the purpose clear? How does the work demonstrate that the team has thoroughly understood the area where they have chosen to focus?
Understanding of potential market	Have you clearly identified the market for your idea? Is it a mass or niche market? Who would use it? Who will benefit? What steps did you take to understand people's needs and the way your innovation could make a difference? Are there any competitive alternatives to your approach? Have you explained why your approach is needed?
Use of industry experts	How did you make use of expert help from industry or academia? Who did you contact and what did you ask them to do? How did you use their advice to improve, develop or change your idea? Do you have plans to continue the relationship with the partners?
Use of data	How well have you used data to inspire or support your work?
Skill and thoroughness	How well is the project or idea executed? How much effort has been made to develop the idea? The technical quality of the execution of the idea or project.
Is it doable?	How practical is it to take this innovation to the next level? Are there major technology or market dependencies that currently prevent this innovation being developed into a prototype or achieving production status? Have students identified these?
What did the team learn from their experience?	Has it changed your thinking in any way? Have you learnt more about a particular area of Digital Media, Science, Technology, Engineering or Maths? Have you been inspired?

Judging Criteria for Digital and Data Skills Category (Yrs 7-13)

Quality of digital skills used in the project

Are digital skills a key part of your project? Have you clearly shown evidence of digital skills and how you have used them?

Willingness to learn and develop their digital skills during the course of the project to enhance their work

What new digital skills have you learnt? Did you do this by yourself, or within your team, or did you enlist the help of other people? If yes, make sure you evidence who helped you

Evidence of any intention to further develop their digital skills as a result in participating in the TeenTech Awards

What have you learnt on your project journey? What skills will you take forward into other areas of work?

Analysis and insight

What tools have you used? What digital or data skills have you learnt and how have you shown this? Have you extracted relevant insights from your work to answer your problem statement?

Presentation of results

Is your presentation structured? Have you made your points in a clear and coherent way? Have you used visual aids effectively? Have you answered all of your questions?

Planning and project management

How well have you planned the project and managed the whole process of explaining, laying out and documenting your project, particularly in relation to use of digital and data skills

Judging Criteria for Creative and Digital Media Category (Yrs 7-13)

Originality of idea	Does the idea show creative thinking? Does it stand out from the crowd? Is your idea unique and original? Where did you get your inspiration from?
Choice of media	Why did you choose to showcase your idea as an animation/game/design/short film? Why was this the best medium for your project?
Use of digital tools	What tools have you used? Did you run into any limitations and how did you work around them? What were the pros/cons of the software you chose to use?
Understanding of potential market	Have you thought about who the audience for your idea would be? Who would use it? Who will benefit the most? What steps did you take to understand people's needs and the way your piece of work could make a difference? Are you aware of any competitors within your subject field?
Use of industry experts	How did you make use of expert help from industry? Who did you contact and what did you ask them to do? How did you use their advice to improve, develop or change your idea? Do you have plans to continue the relationship with the partners?
Skill and thoroughness	How well is the idea executed? How much effort has been made to develop the idea? The technical quality of the execution of the idea.
Planning and project management	How well have you planned the project and managed the creative process, particularly in relation to use of digital tools/skills? If working in a team did you make the best choices when assigning your roles within the team?
What did the team learn from their experience?	Has it changed your thinking in any way? Have you learnt more about a particular area of creativity? Has it inspired you to look at other opportunities in this field?

Judging Criteria for Global Challenge 2023 – Patient Safety (Yrs 7-13)

1. BIG IDEA

Describing the Problem	Have you provided a clear explanation of the problem being addressed, why it is needed and the goals of the idea?
Innovation	Have you clearly addressed the problem and existing solutions? Have you made a compelling case that this will make an improvement to patient safety?
Impact	Have you considered how stakeholders could benefit from your idea? Have you discussed and evidenced this in your work?
Viability	Have you demonstrated an understanding of costs, risk and timeframes? Have you clearly shown the development and progress of your idea and any successes?
Expert Advice	Have you made good use of mentor expertise or industry experts? Have you used this advice to improve and develop your idea?
Planning and project management	How well have you planned the project and managed the process? If working in a team, did you make the best choices when assigning your roles within the team?
Presentation	Is your presentation structured? Have you made your points in a clear and coherent way? Does your approach, findings and concluding arguments make logical sense? Have you used visual aids effectively? Have you answered any questions satisfactorily?

Judging Criteria for Global Challenge 2023 – Patient Safety (Yrs 7-13)
2. TRANSFORMATIONAL

Originality of Idea

Does your idea provide elements of originality? Does it show a unique approach to transformation? Do you believe it will stand out from the crowd?

Clarity of Idea

Is the idea clearly explained? Could it provide a window into the future where healthcare is safe? Have you organized your work logically?

Workforce

Have you considered the role of the workforce in your new transformative approach to delivering safe health care? Have you clearly described this?

Resource

Have you considered how this new transformative approach would be financed and resourced? Have you considered the technology needed? How it could be built?

Expert Advice

Have you made good use of mentor expertise or industry experts? Have you used this advice to improve and develop your idea?

Planning and project management

How well have you planned the project and managed the process? If working in a team, did you make the best choices when assigning your roles within the team?

Presentation

Is your presentation structured? Have you made your points in a clear and coherent way? Does your approach, findings and concluding arguments make logical sense? Have you used visual aids effectively? Have you answered any questions satisfactorily?

Judging Criteria for Best Innovation Category (Yrs 7-13)

Originality of idea

Does the idea or project demonstrate creative thinking? Does it stand out from the crowd? Is your idea unique and original or does it provide an innovative alternative to existing solutions or an evolution of an existing solution? Does it provide an innovative solution to a problem

Quality of planning and project management	Have you clearly evidenced the way you have planned and managed the entire project?
Clarity of idea	Is the project or idea clearly described? Is the purpose of the product clear? How does the work demonstrate that you have thoroughly understood the area where you have chosen to work?
Quality of design	When making your choice of materials, mechanical systems and/or software solutions make sure you consider their suitability/appropriateness
Understanding of potential market	Have you clearly identified the market your product would be used? Have you understood the customer requirement and identified the business needs? Have you illustrated the difference your innovation could make? Have you identified competing alternatives and explained what approaches are needed?
Use of data	How well have you used data to inspire or support your work?
Skill and thoroughness	How well is the project or idea executed? How much effort has been made to develop the idea? The technical quality of the execution of the idea or project.
Quality of research methods and presentation	Have you made effective use of the research guidelines (see below)? Is your work well presented, clear and thorough? Have you evidenced credited sources?
Industry influence	Have you made good use of industry experts? Have you used any advice you have received to improve and develop your idea further? Do you have any plans for collaboration in the future?

Judging Criteria for Best Research Category (Yrs 12-13)

Quality of research skills and methodology	Have you carried out thorough research for your project? Have you demonstrated this in as much detail as possible? Have you evidenced credited sources?
Clarity of research and presentation	Have you clearly described your project in a logical layout? Is the purpose clear? Does the work demonstrate your understanding of the industry you have chosen?

Originality of idea

Have you demonstrated creative thinking within the project? Does it stand out from the crowd? Have you shown originality or uniqueness of your research focus? Have you built on existing knowledge and/or suggested new pathways?

Planning and project management

Have you clearly evidenced the way you have planned and managed the entire project?

Understanding of potential market

Have you clearly identified who might find your research useful or why it is needed? Have you illustrated the difference your research could make? Have you identified any previous research in this area?

Industry influence

Have you made good use of industry experts? Have you used any advice you have received to improve and develop your research? Do you have any plans for collaboration or taking your research further in the future?

Understanding of engineering, scientific, technological principles

Have you demonstrated a sound knowledge of STEM?

Use of data

How well have you used data to inspire or support your work?

Evaluation of project and next steps

Have you identified lessons learned and noted consideration of what may have been done differently? Have you noted a change of thinking over the course of the project? Evidence of inspiration?