

Young Scientist Awards



JUDGING RUBRIC: OSHClub Inventions and Innovations Years 3–4

Level	Description
5	<p>The student has provided clear and convincing evidence that he/she:</p> <ul style="list-style-type: none"> designed and built an invention or innovative device showing careful planning developed an invention or innovative device in response to a need or problem gathered background information and considered the originality of their design by exploring similar designs on the market had a good understanding of the technological concepts related to the need, problem or innovation demonstrated safe and independent construction skills selected suitable materials produced an invention or device that performed as intended had shown a creative approach at some stage of the design process tested the invention or innovative device, listing any improvements that could be made included a log book or portfolio detailing the different stages of the design process acknowledged all assistance given included clear instructions to inform the audience about the invention's or innovative device's operation
4	<p>The student has provided substantial evidence that he/she:</p> <ul style="list-style-type: none"> designed and built an invention or innovative device with minimal assistance developed an invention or innovative device which was a solution to a need or problem performed background research and looked for similar products already on the market had some understanding of the technological concepts related to the innovation demonstrated a creative aspect in the design process considered safety in the construction of the invention or innovative device tested the invention or innovative device and it worked included a log book or portfolio showing the different stages of the design process acknowledged any assistance given included operational instructions to assist the audience
3	<p>The student has provided evidence that he/she:</p> <ul style="list-style-type: none"> planned and built an invention or innovative device had an invention or innovative device which was an attempt to solve a problem performed some relevant background research showed basic understanding of the technological concepts related to the innovation displayed satisfactory workmanship in the design and construction of the device had the device working periodically but it needs further work to improve its reliability provided design and construction details in a log book or portfolio acknowledged some of the assistance that was given included some operational instructions to assist the audience

JUDGING RUBRIC: OSHClub Inventions and Innovations

Years 3–4

Level	Description
2	<p>The student has provided evidence that he/she:</p> <ul style="list-style-type: none">• built an invention or innovative device without much planning or design• set the device in some sort of technological context• had an invention or innovative device that is roughly made and did not perform as intended• provided limited designs and construction details in a log book or portfolio• informally mentioned assistance given• included an incomplete set of operational instructions for the audience.
1	<p>The student has provided evidence that he/she:</p> <ul style="list-style-type: none">• entered an invention or innovative device that does not work• had poor understanding of the related technological concepts• made an invention or device with poor workmanship and limited documentation• failed to acknowledge assistance given• failed to include instructions on how to operate the invention or innovative device