

Food System STEM Project Rubric

This rubric will be used to score the Food System STEM Project Showcase submissions. Teachers, students and evaluators should follow this rubric to complete the Food System STEM Project. Students and their teachers as coaches should use this rubric to organize the video presentation for each project. Judges will use this rubric to evaluate the Food System STEM Projects as Showcase submissions. Please fill out the project presentation information in the left corner. For each task description, please check the box that best reflects the project's performance and provide comments on what they did well and how they can improve.

Project Presentation

Information about presentation Project Title: School: Teachers: IDC: Scientist:	Needs Improvement	Good	Excellent	Comments:
Problem <ul style="list-style-type: none"> ● Identified and described a problem that can be solved using the IDC 				
Connections <ul style="list-style-type: none"> ● Made connections to the local community (who in the community is doing something related to this project–businesses?) ● Made connections to potential careers ● Made connections to family or out of school activities, connected to life outside of school 				

<p>Systems Thinking</p> <p>Does the solution address the four components of the agro-ecosystem:</p> <ul style="list-style-type: none"> ● economic viability ● social responsibility ● environmental sustainability ● production efficiency 				
<p>Data</p> <ul style="list-style-type: none"> ● What did students collect as data, what were the variables? 				
<p>Solution</p> <ul style="list-style-type: none"> ● Feasible: Solution is realistically possible. It's capable of being built within realistic time, financial, resource/material/technology requirements. It's capable of being accessed by the user. ● Viable: Solution is capable of solving the problem their user faces, without creating more challenges, obstacles, or limitations for the user. ● Desirable: From the lens of the user, the solution is wished for, wanted, attractive, useful, or necessary to address their needs. 				
<p>Innovation</p> <ul style="list-style-type: none"> ● Solution is innovative and original 				
<p>Presentation Design</p> <ul style="list-style-type: none"> ● Presentations were professional and clearly stated designs and products ● Was easy to tell what was going on in the presentation, logical flow 				

(organization) • Could clearly see what was being highlighted				
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Reference to cite this rubric: Nelson, B. J., Thies, S. L. J., Knobloch, N. A., & Wang, H. H. (2022). *Food System Project STEM Rubric*. Purdue University Boiler STEAM. <https://ag.purdue.edu/department/asec/boilersteam/resources.html>