**i-STEAM Standards Based Community Project 2024- 2025**

**Physical Science - - The Legacy Garden 6.0**

**Teacher:** Dr. Marsha J. Moorman, Science

**Purpose:**

1. To incorporate an integrative Science Technology Engineering Art Math (i-STEAM) approach to student learning of the Georgia Department of Education Standards of Excellence
2. To design a possible solution and implement the idea to an identified community problem
3. To promote life skills such as creativity, critical thinking, collaboration, perseverance, communication, self-control, focus

**Standards:**

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| --- | --- |
| Subject | Standards |
| Science – Physical Science | SPS1a, (SPS1b - supporting), SPS5a |
| Technology | ONSHAPE |
| Engineering | ONSHAPE |
| *Music* | *MSGM6.CR.1, MSGM6.CR.2* |
| Math – Algebra I | MGSE9-12.N.Q.1; MGSE9-12.F.IF.4; MGSE9-12.F.IF.5 |
| Math – Algebra II | MGSE9-12.A.APR.1; MGSE9-12.F.IF.4; MGSE9-12.F.IF.5; MGSE9-12.S.IC.6 |

**Supporting Standards:**

|  |  |
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| Subject | Standards |
| English – | ELAGSE9-10W2; ELAGSE9-10W3; ELAGSE9-10SL4; ELAGSE9-10SL5; ELAGSE9-10SL6, (ELAGSE9-10L1**;** ELAGSE9-10L2 **-** supporting) |

**Standards Based Community Project Summary:**

Science, as well as other academic areas, is best learned in a “real-world” setting. Each class is tasked to design a possible solution and implement the idea to a “real-world” problem that is a need in our community. This problem has to center around their specific Science subject. Students are encouraged to “think outside the box”.

**Project Tasks:**

1. Students will continue with The Legacy Garden 6.0 which address the community problem of food deserts. Students will take an active role in preparing, maintaining and harvesting of The Legacy Garden 6.0.
2. Students will be graded on tasks in accordance with the rubrics (Labs, Discussions, Classwork)

**Project Dates:**

Class days as identified on Upcoming Assignments sheet.

**Grading:**

Rubric based on task (Labs, Projects, Discussions, Classwork)