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| PROJECT OVERVIEW page 1 | | | | | | | | | | | | | | | | | | | | |
| **Name of Project:** | | | Measurement and My Classroom | | | | | | | | | | | | **Duration:** | | | 4 months | | |
| **Subject/Course:** | | | Math & Writing | | | | | **Teacher(s):Laura DeGrendel & Lindsay Gates** | | | | | | | **Grade Level:** | | | 4 | | |
| **Other Subject Areas to Be Included, if any:** | | |  | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | |
| **Project Idea**  **Summary of the issue, challenge, investigation, scenario, or problem:** | | | Accurate measuring skills is a weakness in 4th grade students. This project will allow them to apply real  world measuring skills to solve physical/furniture needs in the classroom. | | | | | | | | | | | | | | | | | |
| **Driving Question** | | | How can we build alternative seating or Chromebook desks for our classroom? | | | | | | | | | | | | | | | | | |
| **CCSS to be taught and assessed:** | | | 4.MD.1, 4.MD.2, 4.MD.3, 4.MD.6  [ELA-LITERACY.W.4.2](http://www.corestandards.org/ELA-Literacy/W/4/2/), [ELA-LITERACY.W.4.2.A](http://www.corestandards.org/ELA-Literacy/W/4/2/a/), [ELA-LITERACY.W.4.2.C](http://www.corestandards.org/ELA-Literacy/W/4/2/c/), [ELA-LITERACY.W.4.2.D](http://www.corestandards.org/ELA-Literacy/W/4/2/d/), [ELA-LITERACY.W.4.2.E](http://www.corestandards.org/ELA-Literacy/W/4/2/e/) | | | | | | | | | | | | | | | | | |
| **Additional Standards to be taught and assessed:** | | |  | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | |
| **21st Century Competencies to be taught and assessed:** | | | Collaboration: Respects the ideas, opinions, abilities, values, and feelings of other groups members | | | | | |  | | | Creativity & Innovation | | | | | | |  | |
| Communication (Oral Presentation) | | | | | |  | | | Other: | | | | | | |  | |
| Critical Thinking | | | | | |  | | |  | | | | | | |  | |
|  | | | | | | | | | | | | | | | | | | | | |
| **Major Products & Performances** | Group: | | | Students will create a plan using measurement and geometry to build either a Chromebook desk or a classroom seating option. | | | | | | | | | | | | **Presentation Audience**  **Presentation Audience: Peers**    Class  School | | | | |
|  | Class | | | |
|  | School | | | |
|  | Community | | | |
| Individual: | | |  | | | | | | | | | | | |  | Experts | | | |
|  | Web | | | |
|  | Other: | | | |
| PROJECT OVERVIEW page 2 | | | | | | | | | | | | | | | | | | | | |
| **Entry Event** to  launch inquiry  and engage students: | | Show broken lap desks and crate seats. These products have proven to not hold up year to year. What can we do to solve this problem? (iMovie Trailer) | | | | | | | | | | | | | | | | | | |
| **Assessments** | | **Formative Assessments**  (During Project) | | | | Quizzes/Tests | | | | | X | | | Practice Presentations | | | | | |  |
| Journal/Learning Log | | | | |  | | | Notes | | | | | |  |
| Preliminary Plans/Outlines/Prototypes | | | | |  | | | Checklists | | | | | |  |
| Rough Drafts | | | | | X | | | Concept Maps | | | | | |  |
| Online Tests/Exams | | | | |  | | | Other: | | | | | |  |
| **Summative Assessments**  (End of Project) | | | | Written Product(s), with rubric:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | |  | | | Other Product(s) or Performance(s), with  rubric:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | |  |
| Oral Presentation, with rubric | | | | |  | | | Peer Evaluation | | | | | |  |
| Multiple Choice/Short Answer Test | | | | |  | | | Self-Evaluation | | | | | |  |
| Essay Test | | | | |  | | | Other: | | | | | |  |
|  | | | | | | | | | | | | | | | | | | | | |
| **Resources Needed** | | **On-site people, facilities:** | | | | | Wood Worker, Mr Dudiewicz, | | | | | | | | | | | | | |
| **Equipment:** | | | | | Power Tools, | | | | | | | | | | | | | |
| **Materials:** | | | | | Home Depot- Wood, screws, etc., | | | | | | | | | | | | | |
| **Community resources:** | | | | |  | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | |
| **Reflection Methods** | | **(Individual, Group, and/or Whole Class)** | | | Journal/Learning Log | | | | |  | | | Focus Group | | | | | |  | |
| Whole-Class Discussion | | | | | x | | | Fishbowl Discussion | | | | | |  | |
| Survey | | | | | x | | | Other: | | | | | |  | |