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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 realworld 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** tolaunch inquiryand 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), withrubric:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| 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: |  |