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| **7th Grade Unit 1 Engineering and Design D Day** | | | |
|  | Green | Orange | Purple |
| Week 1: Thurs. 9/14 | **Intro 1:** Intro to Classroom Culture & Routines  **Intro 2:** Unit Intro  **Intro 3:** Teamwork: Collaborative Building Challenge | **Intro 1:** Intro to Classroom Culture & Routines  **Intro 2:** Unit Intro  **Intro 3:** Teamwork: Collaborative Building Challenge | **Intro 1:** Intro to Classroom Culture & Routines  **Intro 2:** Unit Intro  **Intro 3:** Teamwork: Collaborative Building Challenge |
| Week 2: Tuesday 9/26 | **RUD 1:** Intro to RUD & African Burial Ground  **E&D Lesson 1:** Engineering Inquiry  **E&D** 2:Role of an Architect | **RUD 1:** Intro to RUD & African Burial Ground  **E&D Lesson 1:** Engineering Inquiry  **E&D** 2:Role of an Architect | **RUD 1:** Intro to RUD & African Burial Ground  **E&D Lesson 1:** Engineering Inquiry  **E&D** 2:Role of an Architect |
| Week 3: Wed. 10/4 | **OFF-SITE: African Burial Ground** | **OFF-SITE: Liberty Science Museum** | **OFF-SITE: Center For Architecture** |
| Week 4: Friday 10/13 | **OFF-SITE: Liberty Science Museum** | **OFF-SITE: Center For Architecture** | **OFF-SITE: African Burial Ground** |
| Week 5: Tuesday 10/24 | **OFF-SITE: Center For Architecture** | **RUD Lesson 2**: Introduction to Individual Project  **E&D Lesson 3:** Mentor Skyscrapers  **E&D Lesson 4:** Skyscraper Structures and Strength Design Principles | **RUD Lesson 2**: Introduction to Individual Project  **E&D Lesson 3:** Mentor Skyscrapers  **E&D Lesson 4:** Skyscraper Structures and Strength Design Principles |
| Week 6: Wed. 11/1 | **RUD Lesson 2**: Introduction to Individual Project  **E&D Lesson 3:** Mentor Skyscrapers  **E&D Lesson 4:** Skyscraper Structures and Strength Design Principles | **OFF-SITE: African Burial Ground** | **OFF-SITE: Liberty Science Museum** |
| Week 7: Monday 11/13 | **RUD Lesson 3:** Case Study Project Research/Work  **E&D Lesson 5:** Skyscraper Wind Resistance Design Principles  **Project Management 1:** Intro. to Group Project | **RUD Lesson 3:** Case Study Project Research/Work  **E&D Lesson 5:** Skyscraper Wind Resistance Design Principles  **Project Management 1:** Intro. to Group Project | **RUD Lesson 3:** Case Study Project Research/Work  **E&D Lesson 5:** Skyscraper Wind Resistance Design Principles  **Project Management 1:** Intro. to Group Project |
| Week 8: Tuesday 11/21 | **RUD Lesson 4:** Case Study work period  **Project Management 2:** Drawing and Design  **Project Management 3:** Building #1 | **RUD Lesson 4:** Case Study work period  **Project Management 2:** Drawing and Design  **Project Management 3:** Building #1 | **RUD Lesson 4:** Case Study work period  **Project Management 2:** Drawing and Design  **Project Management 3:** Building #1 |
| Week 9:Friday 12/1 | **RUD Lesson 5: Classwide Share Fair/Peer Review**  **Project Management 4:** Building #2  **Project Management 5:** Branding your building  **FLEX PERIOD** | **RUD Lesson 5: Classwide Share Fair/Peer Review**  **Project Management 4:** Building #2  **Project Management 5:** Branding your building  **FLEX PERIOD** | **RUD Lesson 5: Classwide Share Fair/Peer Review**  **Project Management 4:** Building #2  **Project Management 5:** Branding your building  **FLEX PERIOD** |
| Week 10: EXPO Monday 12/11 | **EXPO: Group Project and Individual Case Study** | | |