North Carolina Disaster Management Project

**Essential Question:**

How can we (our state and citizens) better prepare for and respond to natural disasters?

**Scenario:** You work for the Department of \_\_\_\_\_\_ (choose 1 from the list below). Your team must study the impact the of natural disasters on our state and prepare a plan which suggests areas for improvement/ways that your department can better prepare for and respond to them. **You will present your plan to the class on March 21 & 22.**

* Those rated best of class will move on and present at the WMS Disaster Management STEMposium to be judged by members of the community. 1 group will move forward to the Wake County STEMposium in May.

**Departments:** Energy & Natural Resources, Transportation, Emergency Management, Law Enforcement, Department of Environmental Quality, Commerce, Division of Water Resources

**Plan and Presentations Criteria:**

* Must be professional (well-rehearsed) and have a visual component (NOT a simple Google Slides type product). Examples of acceptable visual components include: EduCreation, brochure/pamphlet, models, etc
* Your Preparedness and Response Plan must describe the problem, give data/evidence that supports this is a problem, identify & describe your plan for improvement, include data/evidence to support your plan for improvement. Your plan is due on Day 6 of the project. Consult the Group Presentation rubric for expectations.

**Timeline:** See the Work Calendar. Team members are expected to contribute daily during Project Time. Outside work is also expected.

**Group Contract and Responsibilities:** Each group member will be assigned a primary role with individual responsibilities. If a group member does not fulfill their responsibilities, they will receive up to three warnings, and then be subject to expulsion from the group. If expelled from the group, the student must complete their own individual project and may take only the work they contributed. A contract will be signed by all three group members.

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| March 4 | Day 1 - March 5 | Day 2 - March 6 | Day 3 - March 7 | Day 4 - March 8 |
| **PROJECT WEEK ONE** | | | | |
| Not a Project Workday | Project Introduction, Expectations & Hook Video (full class) | **Group Contract signed** and individual roles assigned (1/2 day) | Research day: students will use resources provided by teachers (½ class) | **Research Progress Check-in** - Teacher must approve before group can move forward (½ class) |
| **PROJECT WEEK TWO** | | | | |
| Day 5 - March 11 | Day 6 - March 12 | Day 8 - March 13 | Day 9 - March 14 | Day 10 - March 15 |
| Students work on their preparedness and recovery plan (½ class) | **Preparedness and Response Plans Rough Draft Due end of class**  (½ class) | Not a Project Workday | Students work on final presentation - Green screen reserved in library  (entire class) | Students work on final presentation - Green screen reserved in library  (entire class) |

**Final Presentations - March 21-22nd**

**Wakefield STEMposium - March 28th**

Final Grade Calculation:

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| **Due** | **Project Component** | **Points Available** | **Points Earned** |
|  | Signed and completed Group Contract | 10 points |  |
|  | Research Progress Check-in | 8 points |  |
|  | Preparedness and Response Plan Rough Draft | 8 points |  |
|  | Final Presentation/Pro and Product | 64 points |  |
|  | Group and Project Evaluation | 10 points |  |
|  | Total Points | 100 points |  |