TEMPLATE FOR CMaP PROJECT

Project Title: Escape Routes
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Class: Box Elder, July 2008

Project Description	Updating the emergency evacuation routes for Adele C. Young Intermediate Mark all exits (1 door,2 doors, 4 doors) Mark all rooms Distance to all exits Number of students out a door at one time Where is the best exit for each room?
Community Issue or Problem Selected -How project evolved?	The safety of the school children and teachers is always high on the list of community issues.
Community Partner(s)	Schools, fire marshal
Project Objectives	Mark all exits (1 door,2 door,4 door) Mark all rooms Distance to all exits Number of students out a door at one time Where is the best exit for each room?
Utah Core Standards/Objectives	Pre-Algebra 2:2 1. Set up and solve problems involving proportional reasoning using variables. 2. Solve percent problems, including problems involving discounts, interest, taxes, tips, and percent increase or decrease. 3. Solve ratio and rate problems using informal methods
Essential Question(s) -Spatial Issue	What is the best (fastest) route out of the classrooms? Is it the closest or the biggest?
Assessments (rubrics,	The students will find the distance to all the doors

scoring guides)	Find the rate of number of students out a door per minute
Project Products	Present this information to the adminstation
Project Timeline (include a step by step Procedures)	I would like to have this done by Nov 1, 2008 1. plot out all doors and classrooms 2. measure the distance from all classrooms to all doors 3. find rate of number of students out a door per minute 4. Plot out best route for each classroom 5. create map of school
Resources Needed	GPS Google sketch Arc map
Skills Required	Use a GPS find rate Measure
Project Team Member Roles	**Teacher(s):** supervise **Students:** 1. plot out all doors and classrooms 2. measure the distance from all classrooms to all doors 3. find rate of number of students out a door per minute 4. Plot out best route for each classroom 5. create map of school **Partner(s):** approve plan
Celebration/Presentation	We, as a class, will present this map to the administration with the best routes to evacuate the build as quickly as possible.
Project Evaluation	We would like to decrease the time taken to evacuate the building in to of emergency
Project Bibliography	1. ArcMap/GIS – ESRI 380 New York Street, Redlands, CA. 92373-8100 USA. 2. 252-227-7015. 3. Garmin – 1200 E. 151 Street, Olathe, KS. 66062 USA. 4. 913-397-8282. 5. www.dnr.state.mn.us/mis/gis/tools/arcview/extentions/DNR Garmin/DNRGar 6. min.html. 7. Microsoft Powerpoint – Microsoft Corporation, One

	Microsoft Way, 8. Redmond, WA. 98052-6399. 800-642-7676.
Plans for Future CMaP Activities	We will update this with every trimester depending on the number of students in each class per hour

Optional:
-Lesson Plans
-Student Artifacts
-Publicity