

Interactive Qualifying Project - Security Systems in Schools

Worcester Polytechnic Institute
Aaron Marshall, Joseph Brigham, Mitchell Lewis, Roger Blanchard
Faculty Advisor: PhD Stephen J. Kmietek

The following questions are to be answered by administrators and faculty working in both public and private schools, in attempt to study security systems in schools and develop a means to improve safety for students and faculty.

Date: 1/31

School: South High Community School

Location: Worcester, MA

Administrator/Faculty Member: Mrs. Binicola Position: Principal

Level of Education: Elementary School Middle School High School

School Type: Public Private

Number of Students: 0-200 200-500 500-1000 1000-2000 2000+

- manual*
- *1. Does the school have an emergency response plan or procedure in place to be carried out in the event of an active shooter? *Crisis response plan*
Yes, all schools necessary, superintendent emergency booklet
2. Has the school recently encountered any potential threats to the safety of the students and faculty?
3. Does the school have a police officer / security guard on duty during operating hours?
a. If so, are they armed? *Yes, unarmed*
4. Are there government safety regulations that the school must meet?
- *5. What security features does the school currently implement? (i.e. metal detectors,

video surveillance, dead bolt locks, security officer, armed faculty member)

36 camera - fake photo

- * 6. Has the school considered implementing active shooter training for faculty?
7. How often, if ever, does the school faculty practice emergency response procedures?
8. Who is allowed access onto school grounds/into the school? What is the process of gaining entry? Buzz in, front door
- * 9. Does the school require background checks for all staff?
10. How closely does the school work with local law enforcement and fire department?
 - a. How far (traveling distance) is nearest police station?
11. How has the school responded to recent upward trending in active shooter incidents around the country?
- 3, * 12. Does the school have doors that may be locked from the inside by a teacher?
- * 13. Has the school ever considered a smartphone application that would reduce response time in the event of an active shooter incident? (i.e. Hero911) Would this be something they would be interested in?
14. Is the school made up of one or multiple buildings?
 - a. If multiple, how many? One
- ?? 15. Where does the school hold events of assembly?
 - a. Are there clearly accessible and visible evacuation routes in case of an emergency?
16. Has the school ever considered a gun violence awareness/prevention program?

17. Does the school have a bomb threat procedure?

YES

*18. Does the school use a "code system" for communications over the intercom?

↳ project LAD, pod doors locked

*19. Is there a Crisis Response Box including the following:

- a. building layouts, master key, cable/utility shutoffs, student/teacher/faculty roster and pictures, blueprints, and evacuation routes up to date and provided to local protection agencies?

Yes

20. What improvements could the school make to improve safety for students and faculty? (Prevention, Preparedness, Response)

↳ each teacher has emergency bag containing

Fire drill
 - block or fire drill route

- class list
- First aid
- marker, flashlight, duct tape, pens,
- clipboard
- orange vest
- batteries
- emergency survival blankets

walkie talkies
 - 3 guys

↳ flashlight walkie talkies

director of Safety

↳ EA Pizella

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The following questions are to be answered by administrators and faculty working in both public and private schools, in attempt to study security systems in schools and develop a means to improve safety for students and faculty.

Date: 2/12/14

School: Bishop Stang High School

Location: Dartmouth, MA

Administrator/Faculty Member: Mr. Shaughnessy Position: Principal

Level of Education: Elementary School Middle School High School

School Type: Public Private

Number of Students: 0-200 200-500 500-1000 1000-2000 2000+

1. Does the school have an emergency response plan or procedure in place to be carried out in the event of an active shooter?
 - a. Shelter in Place, lockdown, evac, chem spill
 - i. updated every year - every teacher has one
 - ii. attendance book, flip chart
 - iii. emergency announcements over PA system
2. Has the school recently encountered any potential threats to the safety of the students and faculty?
 - a. No
3. Does the school have a police officer / security guard on duty during operating hours?

- a. No
4. Are there government safety regulations that the school must meet?
 - a. Fire System - Dartmouth PD
 5. What security features does the school currently implement? (i.e. metal detectors, video surveillance, dead bolt locks, security officer, armed faculty member)
 - a. Security cameras - hallways, cafeteria,
 - b. every room - door in and door out
 6. Has the school considered implementing active shooter training for faculty?
 - a. No, but a crisis team exists
 7. How often, if ever, does the school faculty practice emergency response procedures?
 - a. Crisis team practices drills and goes over procedures
 8. Who is allowed access onto school grounds/into the school? What is the process of gaining entry?
 - a. Buzzer - camera - sign in - teachers wear lanyards around neck
 9. Does the school require background checks for all staff?
 - a. yes
 - b. CORI and fingerprint background check
 10. How closely does the school work with local law enforcement and fire department?
 - a. Fire drills / evacuation
 11. How has the school responded to recent upward trending in active shooter incidents around the country?
 - a. Sat down and looked at approaches. evaluated current state of security
 - b. where are soft spots - dont let kids outside

12. Does the school have doors that may be locked from the inside by a teacher?
 - a. Yes. Lockdown procedure - "shelter in place"

13. Has the school ever considered a smartphone application that would reduce response time in the event of an active shooter incident? (i.e. Hero911) Would this be something they would be interested in?
 - a. NO

14. Is the school made up of one or multiple buildings?
 - a. One large

15. Where does the school hold events of assembly?
 - a. gym and cafeteria

16. Has the school ever considered a gun violence awareness/prevention program?
 - a. No

17. Does the school have a bomb threat procedure?
 - a. evacuate - near church
 - b. recommended - actively search and "call bluff" instead of evacuate
 - i. this is a judgement call

18. Does the school use a "code system" for communications over the intercom?
 - a. no - direct communication

19. Is there a Crisis Response Box including the following:
 - a. Student information , health records
 - b. administrative faculty plays key role
 - c. first aid kit, blood spill kit

20. What improvements could the school make to improve safety for students and faculty? (Prevention, Preparedness, Response)

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The following questions are to be answered by administrators and faculty working in both public and private schools, in attempt to study security systems in schools and develop a means to improve safety for students and faculty.

Date: 2-20-14

School: A.T. Levy Elementary School

Location: Harrisville RI

Administrator/Faculty Member: Julie Mayhew Position: Principal

Level of Education: Elementary School Middle School High School

School Type: Public Private

Number of Students: 0-200 200-500 500-1000 1000-2000 2000+
360

1. Does the school have an emergency response plan or procedure in place to be carried out in the event of an active shooter?
Yes
2. Has the school recently encountered any potential threats to the safety of the students and faculty?
No, Not Dumb
3. Does the school have a police officer / security guard on duty during operating hours?
 - a. If so, are they armed?
Local Police (Randomly - daily 30-60)
4. Are there government safety regulations that the school must meet?
Yes, State Policy
5. What security features does the school currently implement? (i.e. metal detectors, video surveillance, dead bolt locks, security officer, armed faculty member)

Video Surveillance 5 outside, doors magnetic locks
staff Keycard, everyone else buzzed in 2 area lock in

6. Has the school considered implementing active shooter training for faculty?
No
7. How often, if ever, does the school faculty practice emergency response procedures?
Yes, Lockdown drills (2) evac drills (2).
8. Who is allowed access onto school grounds/into the school? What is the process of gaining entry?
One Entry Point Lock Down doors
9. Does the school require background checks for all staff?
Yes
10. How closely does the school work with local law enforcement and fire department?
a. How far (traveling distance) is nearest police station?
Fire Dept, comes for evac drills, police come for lockdown Assemblies
11. How has the school responded to recent upward trending in active shooter incidents around the country?
Yes
12. Does the school have doors that may be locked from the inside by a teacher?
Yes, Key
13. Has the school ever considered a smartphone application that would reduce response time in the event of an active shooter incident? (i.e. Hero911)
Never heard it. Interested:
14. Is the school made up of one or multiple buildings?
a. If multiple, how many?
One building
15. Where does the school hold events of assembly?
a. Are there clearly accessible and visible evacuation routes in case of an emergency?
Everything in Cafeteria
16. Has the school ever considered a gun violence awareness/prevention program?
Yes.
17. Does the school have a bomb threat procedure?
No bomb threats middle
18. Does the school have a "code system" for communications over the intercom?
~~No~~ Code silver, Code Blue
19. Is there a Crisis Response Box including the following:

a. building layouts, master key, cable/utility shutoffs, student/teacher/faculty roster and pictures, blueprints, and evacuation routes up to date and provided to local protection agencies?

Nothing.

And classrooms have backpacks, map, roster, any time leave

20. What improvements could the school make to improve safety for students and faculty? (Prevention, Preparedness, Response)

If you really wanna get in you could get it.

More faculty training, more maintained training awareness

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The following questions are to be answered by administrators and faculty working in both public and private schools, in attempt to study security systems in schools and develop a means to improve safety for students and faculty.

Date: February 28, 2014

School: Nashoba Regional School District

Location: Stow, Bolton, Lancaster

Administrator/Faculty Member: Bill Cleary Position: Head of Facilities

Level of Education: All Levels

School Type: Public

Number of Students: About 3,500 in whole district

1. Does the school have an emergency response plan or procedure in place to be carried out in the event of an active shooter?

They have two drills, lockdown and fire drill. One of these would be used in case of any incident that occurs at the schools.

2. Does the school have a police officer / security guard on duty during operating hours?

None of the schools have a security guard except for the high school. The high school has an SRO (student resource officer?) who is an armed guard that roams the halls all day. They are there to help and assist the students. Dressed casually, not to alert students.

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The following questions are to be answered by administrators and faculty working in both public and private schools, in attempt to study security systems in schools and develop a means to improve safety for students and faculty.

Date: 2/24/14

School: Burnsville High School

Location: Harrisville RI

Administrator/Faculty Member: Michael Whaley Position: Principal

Level of Education: Elementary School Middle School High School

School Type: Public Private

Number of Students: 0-200 200-500 500-1000 1000-2000 2000+
683

1. Does the school have an emergency response plan or procedure in place to be carried out in the event of an active shooter?
Yes, RIDE All schools
2. Has the school recently encountered any potential threats to the safety of the students and faculty?
Bomb threats occasionally.
3. Does the school have a police officer / security guard on duty during operating hours?
 - a. If so, are they armed?
No full time, officer walks school during lunch
4. Are there government safety regulations that the school must meet?
RIDE has regulations to follow. Model school safety procedure
5. What security features does the school currently implement? (i.e. metal detectors, video surveillance, dead bolt locks, security officer, armed faculty member)

New Cameras, changed all locks at all times can't

*Police have
cameras*

*New vestibule
2 Buzz waiting area
Keys to cards*

*Alarm system, panic button
5 throughout
size of smart phone*

6. Has the school considered implementing active shooter training for faculty?

Yes, 2 lockdowns/year but do some police eval

7. How often, if ever, does the school faculty practice emergency response procedures?

Entire school, this year 3

8. Who is allowed access onto school grounds/into the school? What is the process of gaining entry?

2 Buzzer system. Admin entrance

You can leave, egress

9. Does the school require background checks for all staff?

Yes, subs as well and volunteers, coaches

10. How closely does the school work with local law enforcement and fire department?

a. How far (traveling distance) is nearest police station?

Pretty closely, notify about drills. police daily

11. How has the school responded to recent upward trending in active shooter incidents around the country?

Reacting well to trends. Needs Assessment of school security town found

12. Does the school have doors that may be locked from the inside by a teacher?

Always locked

13. Has the school ever considered a smartphone application that would reduce response time in the event of an active shooter incident? (i.e. Hero911)

No haven't heard. Use Parent Link

No App would consider

14. Is the school made up of one or multiple buildings?

a. If multiple, how many?

Only 1

15. Where does the school hold events of assembly?

a. Are there clearly accessible and visible evacuation routes in case of an emergency?

Auditorium 655

16. Has the school ever considered a gun violence awareness/prevention program?

Nothing structured

17. Does the school have a bomb threat procedure?

Yes, Part of whole plan

18. Does the school have a "code system" for communications over the intercom?

Color Code

19. Is there a Crisis Response Box including the following:

a. building layouts, master key, cable/utility shutoffs, student/teacher/faculty roster and pictures, blueprints, and evacuation routes up to date and provided to local protection agencies?

Yes, All apart in each classroom
Teacher have keys

20. What improvements could the school make to improve safety for students and faculty? (Prevention, Preparedness, Response)

Continual Eval & reflection. Police helps
Always a threat. Practice makes perfect.

21.) Ask him about his friend.

Email me info

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The following questions are to be answered by administrators and faculty working in both public and private schools, in attempt to study security systems in schools and develop a means to improve safety for students and faculty.

Date: 2/28/14

School: Smithfield High School

Location: Smithfield RI

Administrator/Faculty Member: Asst. Principal Position: Emergency Coordinator

Level of Education: Elementary School Middle School High School

School Type: Public Private

Number of Students: 0-200 200-500 500-1000 ⁷⁶⁰ 1000-2000 2000+

1. Does the school have an emergency response plan or procedure in place to be carried out in the event of an active shooter?

2. Has the school recently encountered any potential threats to the safety of the students and faculty?
Yes, very comprehensive mult training

Tuesday, Intruder Alert

3. Does the school have a police officer / security guard on duty during operating hours?

a. If so, are they armed?

School Resource Officer Yes

4. Are there government safety regulations that the school must meet?

Above & Beyond RIMA SEMA (Fed)

5. What security features does the school currently implement? (i.e. metal detectors, video surveillance, dead bolt locks, security officer, armed faculty member)

No Metal

Ext Doors are Alarmed

*Front Door Camera, locks buzzed in
Surveillance Around school As well*

*ALICE
Program
Implementation
Train often
Captain Brown*

6. Has the school considered implementing active shooter training for faculty?
2-3 times per year committee update annually
7. How often, if ever, does the school faculty practice emergency response procedures?
15 Per Year 2 offsite Evac lockdown 2 Evac Practice if feel need to practice
2007 Bomb Threat No plan - changed Everything
8. Who is allowed access onto school grounds/into the school? What is the process of gaining entry?
Buzzer At front Door, Name Reason for visit, ID
9. Does the school require background checks for all staff?
Yes, subs as well & Parent volunteers
10. How closely does the school work with local law enforcement and fire department?
a. How far (traveling distance) is nearest police station?
4 miles (real close)
11. How has the school responded to recent upward trending in active shooter incidents around the country?
Yes
12. Does the school have doors that may be locked from the inside by a teacher?
Locked Always why school is in session, Brand New locks
Classroom Connects
13. Has the school ever considered a smartphone application that would reduce response time in the event of an active shooter incident? (i.e. Hero911)
2 other, Crisis GO!
she will look into Capt. Brown
14. Is the school made up of one or multiple buildings?
a. If multiple, how many?
1 building but campus between Elem, middle school
15. Where does the school hold events of assembly?
a. Are there clearly accessible and visible evacuation routes in case of an emergency?
Auditorium sits 900 people
16. Has the school ever considered a gun violence awareness/prevention program?
Yes
17. Does the school have a bomb threat procedure?
Yes, checklist for who receives a call Hazard specific Anex
18. Does the school have a "code system" for communications over the intercom?
No, none over intercom. Very direct straight forward. Top 5 Hazard functional Anex
19. Is there a Crisis Response Box including the following:

