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Management Info Resources

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Assignment 1

There have been many cyberattacks recently especially on School Districts. The Little Rock School District is no exception to cyberattacks. Little Rock School District, or LRSD for short, has been recently attacked by ransomware by unknown threat actors. Because of these cyberattacks, the Little Rock School District violated the Family Educational Rights and Privacy Act. There are many ways for the Little Rock School District to prevent cyberattacks in the future.

The ransomware attack on the Little Rock School District involved the threat actors obtaining personal information on the teachers and as well as the students. Because of this it violated the Family Educational Rights and Privacy Act, or FERPA for short. The reason why the Little Rock School District is at fault is that they let all the student's information get leaked by these threat actors when the information about those students is private to them and legal guardian if they are under 18 years old.

Because of the student's information getting leaked it violated the Family Educational Rights and Privacy Act once again. This time is that the students did not give consent to their personal records being leaked, which is against the Family Educational Rights and Privacy Act. Even though the students did not give consent to their information getting leaked by threat actors

which had nothing to do with Little Rock School District, the Little Rock School District is still at fault.

Governance can address the Family Educational Rights and Privacy Act to comply with Little Rock School District. One way is to give power to administrators so that they can have access to third party vendors. This will help if the third-party vendors try to share student information with others, so they can prevent that from happening.

Another way is to let the third-party vendors know that if they spread private information about the students' records, there will be legal action taken upon them. Because of this, this will deter any third-party vendor from causing harm and leaking private information about student records within the Little Rock School District. If the third-party vendor does leak private information regardless of the repercussions the Little Rock School District will still be at fault.

The CIA security principle is the CIA Triad, which stands for Confidentiality, integrity, and Availability. The CIA security principle helps guild information security to minimize threats within an organization. The CIA security principle also provides a strategy that includes security and policies to protect against threats as well.

The CIA Triad's three principles are very important to having security for an organization. For Confidentiality, it protects the organization's information from unauthorized access. For Integrity, data is important, and it should not be tampered from an unauthorized user. For Availability, data should be able to be accessed when you need it.

Implementation of the CIA Triad into the Little Rock School District could help them tremendously by protecting students' information and not going against the Family Educational Rights and Privacy Act. For starters this will allow students right to access their personal records

with safety. Also, the CIA security principles will make sure that the records of the students are accurate and not been tampered with from an unauthorized user.

If the CIA Triad was implemented within the Little Rock School District, this would make sure no one with unauthorized access can obtain any students' personal records. If the Little Rock School District did not use the CIA Triad, they would be having a hard time dealing with high level threats. The CIA Triad is one of the most important security principles to adopt to protect the school district and its students' educational records.

AAA services is a security system that controls who accesses computer information, puts forward policies, and how many Audits to perform at a time. Identification verifies the user on the device by comparing the information that was shown. Authentication makes sure that the user information is correct when identifying the user.

Authorization makes it where it will be able to grant permissions to the user. Accounting will constantly make it where there will be an audit trail based on when the users' logs. Finally, Audits have set records that show the history of user online footprints to be used as evidence if an event or something occurs.

The implementation of AAA services would enable the Little Rock School District to comply with the Family Educational Rights and Privacy Act in many ways possible. One way is that the AAA services will control who accesses students' personal records to make sure it is not a threat actor. Another way would be by making it where it will only grant permission to users to look at their student records and no outside user.

Implementing AAA services into the Little Rock School District would make it where they can track online activity and use as evidence of suspicious activity. This would be Audits,

which tracks the users logs and where they logged in at. Without implementing the AAA services it will be harder for the LRSD to comply with FERPA because they will not know where the threat actors got in at and what they did.

There are many ways that the Little Rock School District can prevent violating the Family Educational Rights and Privacy Act. They can use governance to watch over the third-party vendors for any malicious acts or block them completely. Another way would be using several security policies like the AAA services where they are able to monitor the users logs and digital footprints. Using Governance and these security policies will help the LRSD the most to comply with FERPA.