



Best practice

example for data security

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Subject: **General data protection regulation in school**

Related Industry 4.0 themes


- | | |
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| <input type="checkbox"/> Autonomous Robots | <input type="checkbox"/> Augmented Reality |
| <input type="checkbox"/> Industrial Internet | <input type="checkbox"/> Software Integration |
| <input type="checkbox"/> Additive Manufacturing | <input type="checkbox"/> Cloud |
| <input type="checkbox"/> Simulation | <input type="checkbox"/> Big Data and Analytics |
| <input checked="" type="checkbox"/> Cyber Security | |

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Description


Berufskolleg Werther Brücke  **What is the GDPR?**

- * GDPR and BDSG (EU law / federal law)
- * Statutory regulation VO-DV I (Data of students)
- * Statutory regulation VO-DV II (Data of teachers)
- * Regulation ADV (IT safety)

Berufskolleg Werther Brücke  **What is the GDPR?**

Personal Data: Data which can be used to identify a natural person

- * Name, Birthdate
- * Address, location data
- * Phone number, Email, IP address, etc.
- * Certificates, reviews, etc.


Berufskolleg Werther Brücke  **What is the GDPR?**

Special personal Data: Data which are especially protected

- * Country of origin
- * Political or religious affiliation
- * Health data (biometric or genetic data)
- * Sexual orientation

Berufskolleg Werther Brücke  **GDPR in the school: teachers**

- * Use of digital class registers only in protected networks
- * Grades have to be protected and cannot be submitted via standard office programs
- * Usage of cloud storage is limited to non-personal data
- * Pictures of students fall in the category of personal data and for that have to be handled much more carefully
- * Not using instant messaging (like WhatsApp) at all

Berufskolleg Werther Brücke  **GDPR in the school**

- * Can be a hindrance
- * Is important for future of Industry 4.0
- * Can be a good learning opportunity
- * Is important for the student's daily lifes

There are three different approaches to data protection:

- | | |
|-------------|---------------------|
| US-America: | monitarian |
| China: | government-oriented |
| Europe: | citizen-oriented |

The required competences are summarized below.

Further information: info@bkwb.de

Key Competences

EQF	Description of competence	media competence	appliance competence	IT- knowledge
1-2	Students have a basic knowlegde about data protection.	x		
	Students know the value of their personal data for big companies.	x		
	Students know how to protect their own personal data.		x	
3-4	Students know about societal importance of data protection.	x		
	Students can protect personal data which is entrusted to them (personal messages, etc.).		x	
	Students know basic precautions against data theft.		x	
	Students learn mechanisms for data analysis.	x		x
5-6	Students understand importance of data protection for companies.	x		
	Students understand legal implications of incorrect data protection.	x		
	Students can instruct other persons in correct data protection.	x		
	Students can assess data protection mechanisms in companies.		x	

EQF: European Qualification Frame