



## **Best practice**

example for data security

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## Transferring Educational and Vocational Training to 4.0 (sharing best practice)

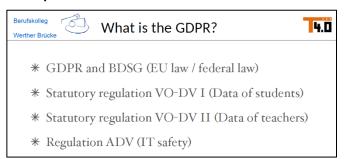


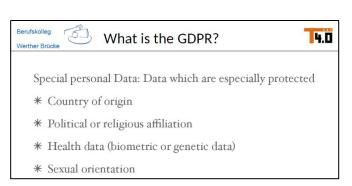
Subject:	General data protection	Related Industry 4.0 themes		
	regulation in school	☐ Autonomous Robots	☐ Augmented Reality	
		☐ Industrial Internet	☐ Software Integration	
		$\square$ Additive Manufacturing	□Cloud	
		☐ Simulation	☐ Big Data and Analytics	
		⊠ Cyber Security		

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## Description







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

\* Name, Birthdate

\* Adress, location data

\* Phone number, Email, IP adress, etc.

\* Certificates, reviews, etc.



There are three different approaches to data protection:

US-America: monitarian

China: government-oriented Europe: citizen-oriented

The required competences are summarized below.

Further info@bkwb.de information:



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**Key Competences** 

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

EQF: European Qualification Frame