Prepare Students for a Data-Driven Future with QuantHub!

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Explore our standards-aligned K–12 learning paths designed to build AI literacy, data fluency, and critical thinking.

AI FOUNDATION

Students will develop an understanding of key AI principles and ethical considerations while gaining hands-on experience leveraging generative AI through prompt design and best practice training exercises.

AI LITERACY

Students will learn basic principles of artificial intelligence impact in the modern world, including terminology, strengths and limitations of AI, and how generative AI in the workplace.

DATA CITIZEN

Students will discover data concepts on a big picture scale through practical and analytical skills. Students will earn seven industry-recognized credentials, and gain the skills to interpret charts, use key data platforms, and visually communicate findings.

DATA SECURITY

Students will learn key principles of digital safety, personal data protection, strong password practices, and identification of common online threats. Students will build foundational skills to navigate the digital world responsibly and protect their information in both personal and professional contexts.



EDUCATOR ADVANTAGES

- **Standards-aligned.**
- **Auto-graded.**
- **PD-credit eligible.**
- **Sign up using the QR code!**

Start using QuantHub today!

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Learning Paths That Build Future-Ready Skills

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LEARNING PATHWAY	OVERVIEW	LEVELS	EXAMPLE SKILLS
ACT SCIENCE PREP *Suggested curriculum: Science*	Students will learn strategies for data interpretation, chart reading, and problem-solving. This course is designed to build confidence and academic preparation for the Science section of the ACT.	• Interpretation of Data • Scientific Investigation • Evaluation of Models, Inferences, and Experimental Results	Interpreting statistical results, building data storytelling narratives, interpreting chart data
ACT MATH PREP *Suggested curriculum: Math*	Students will learn strategies for data interpretation, chart reading, and problem-solving. This course is designed to build confidence and academic preparation for the Math section of the ACT.	• Statistics and Probability	Exploring central tendency, identifying data, designing a statistical study
AI FOUNDATION *Suggested curriculum: CTE all pathways*	Students will develop an understanding of key AI principles and ethical considerations while gaining hands-on experience leveraging generative AI through prompt design and best practice training exercises.	• AI Foundations • AI for Market Analysis • AI for Performance Analysis • AI for Project Management	Prompt engineering, generative AI best practices, simulation assignments
AI LITERACY *Suggested curriculum: CTE all pathways*	Students will learn basic principles of the artificial intelligence impact in the modern world, including terminology, strengths and limitations of AI, and how generative AI in the workplace.	• Introduction to AI	Ethical considerations for AI, AI in the workforce, AI productivity tools
APPLIED DATA SCIENCE *Suggested curriculum: Senior level math*	Students will explore the powerful intersection of data and mathematics through real-world applications. Builds critical skills to analyze data and make informed decisions in professional and daily life. Designed as a full-year math course following Algebra II.	• Conducting Surveys • Applying Probability • Mean as Equal/Fair Share and Variability • Association Between Quantitative Variables	Design charts to communicate distribution and key takeaways, explore data to investigate quality
CRI PATHWAY *Suggested curriculum: approved CRI for CTE, IT Support, Engineering*	Understand key data literacy skills - spreadsheet use, data visualization, and trend interpretation. Students will earn six embedded, industry-recognized certifications including a CRI credit for students in IT Support, PLTW, and Engineering pathways.	• Introduction to Data Literacy • Data Visual Literacy • Statistical Problem Solving • Data Wrangling • Data Analysis • Data Storytelling	Data literacy, Excel & spreadsheet tools, designing visual narratives
DATA CITIZEN *Suggested curriculum: Math, Science, CTE: all Pathways*	Students will discover data concepts on a big picture scale through practical and analytical skills. Students will earn seven industry-recognized credentials, and gain the skills to interpret charts, use key data platforms, and visually communicate findings.	• Data & Visual Data Literacy • Problem Framing • Data Analysis & Data Tools • Machine Learning • Data Tools & Storytelling	Exploring data types and quality, statistics, correlation, distributions, spreadsheets, SQL, AI, and Python
DATA SECURITY *Suggested curriculum: all students*	Students will learn key principles of digital safety, personal data protection, strong password practices, and identification of common online threats, and build foundational skills to navigate the digital world responsibly to protect information in personal and professional contexts.	• Data Security	Introduction to malware, password security, and protection of personal data
EXCEL FOR BUSINESS ANALYTICS *CTE: all pathways*	Students will apply powerful Excel tools in real-world business scenarios. Students will develop the critical skills to strategically apply excel functions to solve key problems and drive results. Ideal for CTE and business courses.	• Performance Analysis • Applying Excel Workspace Tools • Inventory Optimization	Organizing workspace components in excel, formatting cells by data types, creating charts
DATA ANALYTICS *Suggested curriculum: Full year course- Business Administration pathway*	Students will investigate real-world data challenges to strengthen problem-solving skills and apply data concepts through performance tasks. Designed as a full-year course within the Business Administration pathway, aligns with state data education standards.	• Data Analytics Foundation • Data Wrangling • Visual Literacy • Data Analysis • Data Storytelling	Exploring relationships through scatter plots, the role of statistics in business decision making, analyzing data with problem-solving models