

powerschool data dictionary

powerschool data dictionary serves as a crucial resource for educators, administrators, and IT professionals working within the PowerSchool Student Information System (SIS). This comprehensive guide provides detailed definitions, descriptions, and relationships of the data elements used in PowerSchool, facilitating accurate data entry, reporting, and integration. Understanding the PowerSchool data dictionary ensures consistency across districts and schools, enabling users to maintain data integrity and streamline operations. This article explores the structure, importance, and practical applications of the PowerSchool data dictionary, highlighting key components and best practices for leveraging this tool. Additionally, it covers how the data dictionary aids in customizing reports, managing student data, and supporting compliance with educational standards. The following sections outline a detailed exploration of the PowerSchool data dictionary and its role in educational data management.

- Understanding the PowerSchool Data Dictionary
- Key Components of the PowerSchool Data Dictionary
- Benefits of Using the PowerSchool Data Dictionary
- How to Access and Utilize the PowerSchool Data Dictionary
- Best Practices for Managing PowerSchool Data

Understanding the PowerSchool Data Dictionary

The PowerSchool data dictionary is a structured repository that defines the various data fields used within the PowerSchool Student Information System. It offers a clear explanation of each data element, including its format, purpose, and any constraints. This dictionary is essential for ensuring that data entered into the system is consistent, valid, and meaningful across different modules such as attendance, grades, demographics, and schedules. By standardizing data definitions, the dictionary minimizes errors and enhances communication between users and technical teams. Furthermore, it supports seamless data exchange between PowerSchool and other educational software platforms through well-defined data standards.

Purpose and Scope

The primary purpose of the PowerSchool data dictionary is to provide a common language for all users interacting with the system's data. It covers a wide range of data categories including student information, staff details, enrollment records, assessment results, and more. The scope of the dictionary extends to both core system fields and custom fields created by districts, ensuring comprehensive coverage of all data points used in day-to-day operations. This thorough documentation plays a vital role in data governance and compliance with state and federal reporting requirements.

Structure and Format

The dictionary is typically organized in a tabular or list format, listing each data element along with key attributes such as field name, data type, length, and description. It may also include information about default values, allowable values, and relationships to other fields within the system. This structured format helps users quickly locate and understand specific data elements, facilitating efficient data management and troubleshooting. Additionally, the dictionary may be updated regularly to reflect system enhancements and policy changes.

Key Components of the PowerSchool Data Dictionary

The PowerSchool data dictionary consists of several key components that provide comprehensive details about each data element. Understanding these components helps users maximize the utility of the dictionary for data entry, reporting, and system integration.

Field Names and Descriptions

Each data element in the PowerSchool system is identified by a unique field name that follows a standardized naming convention. The dictionary provides detailed descriptions explaining the purpose and usage of each field, ensuring clarity for users. These descriptions help avoid confusion and ensure that data is entered correctly according to the intended meaning.

Data Types and Formats

The dictionary specifies the data type for every field, such as integer, string, date, or Boolean. It also details the expected format or pattern, like date formats (MM/DD/YYYY) or character limits for text fields. This information is critical for maintaining data quality and preventing input errors that could affect system functionality and reporting accuracy.

Validation Rules and Constraints

Validation rules define what constitutes acceptable data within each field. The data dictionary outlines constraints such as mandatory fields, range limits, and acceptable value lists. These rules ensure that the data entered into PowerSchool adheres to required standards, reducing inconsistencies and enhancing reliability.

Relationships and Dependencies

Many data fields in PowerSchool are interrelated. The data dictionary documents these relationships, such as parent-child connections between tables or dependencies between fields. Understanding these linkages is essential for complex data queries, report generation, and integration with other systems.

Benefits of Using the PowerSchool Data Dictionary

Utilizing the PowerSchool data dictionary offers numerous advantages that contribute to more effective data management and improved decision-making within educational institutions.

Enhanced Data Accuracy and Consistency

By providing clear definitions and validation criteria, the data dictionary helps prevent errors and inconsistencies in data entry. This leads to higher accuracy in student records, attendance logs, and assessment data, which are critical for operational efficiency and compliance.

Improved Reporting and Analysis

Accurate and well-defined data elements enable more precise reporting and data analysis. Educators and administrators can generate meaningful reports that support instructional planning, resource allocation, and policy evaluation. The dictionary ensures that data used in these reports is reliable and standardized.

Streamlined System Integration

The PowerSchool data dictionary facilitates integration with other educational technology platforms by providing a common reference for data structures. This streamlines data exchange, reduces integration errors, and supports comprehensive data ecosystems within school districts.

Support for Customization and Development

Developers and system administrators can leverage the data dictionary to customize PowerSchool to meet specific district needs. It guides the creation of custom fields, reports, and workflows while ensuring alignment with existing data standards.

How to Access and Utilize the PowerSchool Data Dictionary

Accessing and effectively using the PowerSchool data dictionary is essential for maximizing the benefits of the PowerSchool SIS. Several methods exist for obtaining and leveraging this valuable resource.

Accessing the Data Dictionary

The data dictionary is typically available through PowerSchool's official documentation, support portals, or district IT departments. Some versions may be provided as downloadable files in formats like PDF or Excel, while others can be accessed directly within the PowerSchool interface or through

API documentation.

Using the Data Dictionary for Data Entry and Validation

Data entry personnel can refer to the dictionary to understand field requirements and avoid common mistakes. Validation rules outlined in the dictionary help enforce data integrity during input processes, minimizing the need for corrections and rework.

Leveraging the Dictionary for Reporting and Development

Report writers and developers use the data dictionary to identify correct field names and understand data relationships necessary for creating accurate queries and reports. It also assists in developing custom applications or integrations by providing essential technical details.

Best Practices for Managing PowerSchool Data

Effective management of PowerSchool data requires adherence to best practices that ensure data quality, security, and usability. The data dictionary plays a critical role in supporting these practices.

Regular Updates and Maintenance

Keeping the data dictionary up to date with system changes and new data elements is vital. Regular reviews and updates prevent outdated information from causing errors or confusion among users.

Training and Documentation

Providing ongoing training to staff on how to use the data dictionary and maintain data standards enhances overall data quality. Supplementary documentation and quick reference guides can support efficient use of the dictionary.

Data Governance and Quality Control

Instituting data governance policies that incorporate the data dictionary helps establish clear responsibilities and procedures for data management. Regular audits and quality checks ensure compliance with these standards.

Utilizing Automation and Validation Tools

Automated validation tools configured based on the data dictionary's rules can reduce manual errors and improve data accuracy. Integration of these tools within PowerSchool workflows supports continuous data quality assurance.

- Understand the structure and purpose of the data dictionary
- Access the dictionary through official channels and keep it updated
- Use the dictionary for accurate data entry, reporting, and development
- Implement training and governance policies around data management
- Leverage automation to enforce data validation rules

Frequently Asked Questions

What is the PowerSchool Data Dictionary?

The PowerSchool Data Dictionary is a comprehensive guide that provides definitions, descriptions, and details of the various data fields and tables used within the PowerSchool student information system.

How can I access the PowerSchool Data Dictionary?

The PowerSchool Data Dictionary can typically be accessed through the PowerSchool Community website or the PowerSchool SIS admin portal, where it is available as downloadable documentation or an online resource.

Why is the PowerSchool Data Dictionary important for administrators?

The Data Dictionary helps administrators understand the structure and meaning of data within PowerSchool, enabling accurate reporting, data integration, and troubleshooting of data-related issues.

Does the PowerSchool Data Dictionary include information on custom fields?

The standard PowerSchool Data Dictionary documents default fields and tables, but custom fields created by districts may not be included and require separate documentation or consultation with the PowerSchool administrator.

How often is the PowerSchool Data Dictionary updated?

The PowerSchool Data Dictionary is updated periodically to reflect changes in the SIS software, typically coinciding with new PowerSchool releases or updates to ensure it covers new or modified data elements.

Additional Resources

1. *Mastering the PowerSchool Data Dictionary: A Comprehensive Guide*

This book offers an in-depth exploration of the PowerSchool Data Dictionary, detailing each data field and its significance within the system. It is designed for educators, administrators, and IT professionals aiming to optimize data management and reporting. Readers will gain practical insights into customizing and interpreting data to enhance school operations.

2. *PowerSchool Data Dictionary Essentials for School Administrators*

Focused on school administrators, this guide breaks down the complexities of the PowerSchool Data Dictionary into understandable segments. It covers key data elements, how they interrelate, and best practices for maintaining accurate student information. The book also highlights common pitfalls and troubleshooting tips.

3. *Data Management with PowerSchool: Utilizing the Data Dictionary Effectively*

This title emphasizes the role of the Data Dictionary in effective data management within PowerSchool. It walks readers through real-world scenarios where understanding data definitions improves decision-making and reporting accuracy. The book also includes case studies and step-by-step instructions.

4. *Unlocking PowerSchool Data: A Practical Approach to the Data Dictionary*

Designed for data analysts and IT staff, this book provides practical strategies for leveraging the PowerSchool Data Dictionary in data extraction and analysis. It explains how to navigate the dictionary, interpret data fields, and integrate PowerSchool data with other systems. Readers will find tips on enhancing data integrity and usability.

5. *The PowerSchool Data Dictionary Handbook: Reference and Application*

Serving as both a reference and an application guide, this handbook details every entry in the PowerSchool Data Dictionary. It is structured for quick lookup and includes examples of how each data element is used in reports and workflows. The book is a valuable resource for daily PowerSchool users.

6. *PowerSchool Reporting and the Data Dictionary: A User's Guide*

This guide focuses on the connection between the Data Dictionary and PowerSchool's reporting capabilities. It explains how understanding data definitions can improve report accuracy and relevance. Users will learn techniques for customizing reports to meet their district's needs.

7. *Integrating PowerSchool Data: Insights from the Data Dictionary*

This book explores how the PowerSchool Data Dictionary facilitates data integration across various educational technology platforms. It offers strategies for mapping and synchronizing data while maintaining consistency and compliance. The content is ideal for IT professionals managing complex data ecosystems.

8. *PowerSchool Data Dictionary for Beginners: Foundations and Fundamentals*

Aimed at newcomers, this book introduces the basics of the PowerSchool Data Dictionary in a clear and approachable manner. It covers foundational concepts, common terminology, and the importance of each data element. The book is perfect for educators and staff new to PowerSchool.

9. *Advanced Techniques in PowerSchool Data Dictionary Utilization*

This advanced guide delves into sophisticated methods for leveraging the PowerSchool Data Dictionary to enhance data analytics and system customization. It includes tips on scripting,

automation, and troubleshooting complex data issues. Experienced users will find valuable insights to maximize their PowerSchool environment.

PowerSchool Data Dictionary

PowerSchool Data Dictionary: A Comprehensive Guide for Educators and Administrators

Unlocking the power of your PowerSchool data requires understanding its underlying structure. This ebook provides a detailed exploration of the PowerSchool Data Dictionary, explaining its significance for effective data analysis, informed decision-making, and improved student outcomes. This guide is designed for educators, administrators, and IT professionals seeking to leverage PowerSchool's data capabilities to their fullest extent.

Ebook Title: Mastering the PowerSchool Data Dictionary: A Practical Guide for Educators

Ebook Outline:

Introduction: Understanding the PowerSchool Data Ecosystem and the Importance of the Data Dictionary

Chapter 1: Navigating the PowerSchool Data Dictionary Structure: Field definitions, data types, relationships between tables, and key identifiers.

Chapter 2: Key Data Tables and Their Significance: A deep dive into core tables like Students, Courses, Grades, Attendance, and Demographics. Practical examples of data usage.

Chapter 3: Utilizing the Data Dictionary for Reporting and Analysis: Connecting the data dictionary to reporting tools, creating custom reports, and utilizing data visualization techniques.

Chapter 4: Data Integrity and Best Practices: Maintaining data accuracy, handling data updates, and preventing common data errors. Strategies for effective data governance.

Chapter 5: Advanced Techniques and Customization: Exploring advanced querying techniques, utilizing APIs, and customizing data views for specific needs.

Chapter 6: Security and Privacy Considerations: Understanding data security protocols, ensuring compliance with privacy regulations (FERPA, GDPR, etc.), and protecting sensitive student information.

Chapter 7: Troubleshooting Common Data Issues: Identifying and resolving common data discrepancies, errors, and inconsistencies.

Conclusion: Summary of key takeaways and resources for continued learning.

Detailed Explanation of Outline Points:

Introduction: This section sets the stage, defining the PowerSchool Data Dictionary, its purpose, and why understanding it is crucial for effective school administration and improved student support. It will establish the context for the rest of the ebook.

Chapter 1: Navigating the PowerSchool Data Dictionary Structure: This chapter provides a foundational understanding of how the data dictionary is organized. It will cover concepts like database schemas, tables, fields, data types (integer, text, date, etc.), primary and foreign keys, and how these elements relate to each other to form a coherent data model. Real-world examples using screenshots and sample data will be included for clarity.

Chapter 2: Key Data Tables and Their Significance: This chapter focuses on the most frequently used tables within the PowerSchool database. Each table will be analyzed in detail, explaining the purpose of each field and providing practical examples of how the data within these tables can be utilized for reporting, analysis, and decision-making. For example, the "Students" table will be examined, covering fields like student ID, name, address, grade level, etc., demonstrating how this data can be used to track student progress and identify at-risk students.

Chapter 3: Utilizing the Data Dictionary for Reporting and Analysis: This chapter bridges the gap between understanding the data and using it effectively. It will demonstrate how to leverage the data dictionary to create meaningful reports and perform data analysis using PowerSchool's built-in reporting tools or external data analysis software (e.g., SQL, Excel, Power BI). Specific examples of report creation and data visualization techniques will be provided.

Chapter 4: Data Integrity and Best Practices: This crucial chapter addresses the importance of maintaining data accuracy and consistency. It will cover best practices for data entry, data validation, and data cleaning. Strategies for preventing data errors and ensuring data governance will be explored, emphasizing the importance of accurate data for effective decision-making.

Chapter 5: Advanced Techniques and Customization: This chapter caters to more advanced users, exploring more sophisticated techniques for interacting with the PowerSchool database. It will cover topics such as advanced SQL queries, utilizing PowerSchool's APIs for data integration with other systems, and customizing data views to meet specific reporting requirements.

Chapter 6: Security and Privacy Considerations: This chapter emphasizes the vital importance of data security and compliance with relevant regulations like FERPA and GDPR. It will discuss security protocols, data encryption methods, access control measures, and best practices for protecting sensitive student data.

Chapter 7: Troubleshooting Common Data Issues: This chapter provides practical solutions to common data problems encountered by PowerSchool users. It will offer troubleshooting steps and strategies for resolving data discrepancies, inconsistencies, and errors.

Conclusion: This section summarizes the key concepts covered in the ebook and provides resources for further learning and support, including links to relevant PowerSchool documentation and online communities.

Keywords: PowerSchool, Data Dictionary, Data Analysis, Education, School Administration, Student Information System, SIS, Reporting, Data Integrity, Data Security, FERPA, GDPR, SQL, API, Data Visualization, Data Governance, PowerSchool Reporting, PowerSchool SIS, Custom Reports, Data Management, Data Cleaning, Troubleshooting PowerSchool.

(Note: The following sections would be incorporated throughout the ebook, naturally integrated within the chapters outlined above. Due to the length limitations of this response, they are presented

separately here for clarity.)

FAQs:

1. Where can I find the PowerSchool Data Dictionary? The location of the data dictionary varies depending on your PowerSchool version and implementation. Contact your PowerSchool administrator or IT support for assistance.
2. What types of data are included in the PowerSchool Data Dictionary? The data encompasses student demographics, academic performance, attendance records, discipline information, and much more. Specific data fields will vary depending on your school's configuration.
3. How can I use the Data Dictionary to create custom reports? By understanding the table structures and field names, you can construct SQL queries or use PowerSchool's reporting tools to generate customized reports tailored to your specific needs.
4. What are the best practices for maintaining data integrity in PowerSchool? Implementing data validation rules, regular data cleaning procedures, and robust data governance policies are essential for maintaining data accuracy.
5. How can I ensure compliance with FERPA and GDPR when working with PowerSchool data? Adhere to strict access controls, data encryption, and robust security measures. Familiarize yourself with the specific requirements of these regulations.
6. What should I do if I encounter data errors or inconsistencies in PowerSchool? Follow established troubleshooting procedures, consult your PowerSchool administrator or IT support, and document the issue thoroughly.
7. Can I access the PowerSchool Data Dictionary through an API? Depending on your PowerSchool version and setup, API access might be available. Check with your administrator or consult the PowerSchool API documentation.
8. What are some common challenges faced when working with the PowerSchool Data Dictionary? Understanding complex table relationships, navigating large datasets, and ensuring data accuracy are common challenges.
9. Where can I find more resources and training on PowerSchool data analysis? PowerSchool offers online documentation, webinars, and training materials. Online forums and communities can also provide valuable support and insights.

Related Articles:

1. PowerSchool Reporting: A Step-by-Step Guide: This article provides a practical tutorial on creating and customizing reports within the PowerSchool system.
2. Understanding PowerSchool Student Information: This article offers a detailed overview of the various student data points available within PowerSchool.
3. PowerSchool Data Migration: Best Practices: This article covers strategies and techniques for

successfully migrating data to and from PowerSchool.

4. Improving Data Quality in PowerSchool: This article focuses on methods for improving the accuracy and reliability of data within the PowerSchool system.

5. PowerSchool Security and Access Control: This article explores security best practices and access control measures for protecting sensitive student data.

6. Leveraging PowerSchool APIs for Data Integration: This article explains how to utilize PowerSchool APIs to integrate data with other systems.

7. Data Visualization Techniques for PowerSchool Data: This article demonstrates how to effectively visualize PowerSchool data to improve understanding and decision-making.

8. Troubleshooting Common PowerSchool Data Errors: This article provides step-by-step guidance on resolving common data issues within the PowerSchool platform.

9. FERPA and GDPR Compliance in PowerSchool: This article explains how to ensure compliance with these regulations when working with PowerSchool student data.

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powerschool data dictionary: Learning Analytics in Education David Niemi, Roy D. Pea, Bror Saxberg, Richard E. Clark, 2018-08-01 This book provides a comprehensive introduction by an extraordinary range of experts to the recent and rapidly developing field of learning analytics. Some of the finest current thinkers about ways to interpret and benefit from the increasing amount of evidence from learners' experiences have taken time to explain their methods, describe examples, and point out new underpinnings for the field. Together, they show how this new field has the potential to dramatically increase learner success through deeper understanding of the academic, social-emotional, motivational, identity and meta-cognitive context each learner uniquely brings. Learning analytics is much more than "analyzing learning data"—it is about deeply understanding what learning activities work well, for whom, and when. Learning Analytics in Education provides an essential framework, as well as guidance and examples, for a wide range of professionals interested in the future of learning. If you are already involved in learning analytics, or otherwise trying to use an increasing density of evidence to understand learners' progress, these leading thinkers in the field may give you new insights. If you are engaged in teaching at any level, or training future teachers/faculty for this new, increasingly technology-enhanced learning world, and want some sense of the potential opportunities (and pitfalls) of what technology can bring to your teaching and students, these forward-thinking leaders can spark your imagination. If you are involved in research around uses of technology, improving learning measurements, better ways to use evidence to improve learning, or in more deeply understanding human learning itself, you will find additional ideas and insights from some of the best thinkers in the field here. If you are involved in making administrative or policy decisions about learning, you will find new ideas (and dilemmas) coming your way from inevitable changes in how we design and deliver instruction, how we measure the outcomes, and how we provide feedback to students, teachers, developers, administrators, and policy-makers. For all these players, the trick will be to get the most out of all the new developments to efficiently and effectively improve learning performance, without getting distracted by "shiny" technologies that are disconnected from how human learning and development actually work.

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powerschool data dictionary: *International Perspectives on School Settings, Education Policy and Digital Strategies* Annika Wilmers, Sieglinde Jornitz, 2021-02-15 An exchange on education ideas has shaped the transatlantic discourse in education for a long time. Over the past two decades education science has increasingly become networked internationally. Since 2015, the Office for International Cooperation in Education at DIPF | Leibniz Institute for Research and Information in Education has organized international sessions on education research at the Annual Meetings of the American Educational Research Association, thus providing a floor for transatlantic exchange on current research topics. The volume gives an overview of the transatlantic activities in education research with regard to these sessions representing a collection of topics ranging from school development over the use of large scale assessment and digital data in education to questions related to migration and public education or the economization of education. At the same time the volume offers a reflection on the assets and obstacles of international exchange.

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applicants and earn admission. This step-by-step guide to earning admission teaches: * How your child can select and take classes in high school to stand out from other straight 'A' students. * How your child can dramatically increase her odds of admission by strategically choosing a major. * How your child can write a personal statement that sets her apart from other applicants by demonstrating perspective, passion, and maturity. * How your child can build a slate of extracurricular activities that admissions officers value. * How your child can secure hundreds of thousands of dollars of merit scholarships or need-based grants even if your family earns over \$100,000 per year. Earning Admission taught us everything we needed to know about making our daughter a unique and competitive applicant. It helped us get our daughter get into Yale. -Jay C., parent of a Yale undergrad.

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Howard Pitler, Elizabeth R. Hubbell, Matt Kuhn, 2012-08-02 Technology is ubiquitous, and its potential to transform learning is immense. The first edition of *Using Technology with Classroom Instruction That Works* answered some vital questions about 21st century teaching and learning: What are the best ways to incorporate technology into the curriculum? What kinds of technology will best support particular learning tasks and objectives? How does a teacher ensure that technology use will enhance instruction rather than distract from it? This revised and updated second edition of that best-selling book provides fresh answers to these critical questions, taking into account the enormous technological advances that have occurred since the first edition was published, including the proliferation of social networks, mobile devices, and web-based multimedia tools. It also builds on the up-to-date research and instructional planning framework featured in the new edition of *Classroom Instruction That Works*, outlining the most appropriate technology applications and resources for all nine categories of effective instructional strategies: * Setting objectives and providing feedback * Reinforcing effort and providing recognition * Cooperative learning * Cues, questions, and advance organizers * Nonlinguistic representations * Summarizing and note taking * Assigning homework and providing practice * Identifying similarities and differences * Generating and testing hypotheses Each strategy-focused chapter features examples—across grade levels and subject areas, and drawn from real-life lesson plans and projects—of teachers integrating relevant technology in the classroom in ways that are engaging and inspiring to students. The authors also recommend dozens of word processing applications, spreadsheet generators, educational games, data collection tools, and online resources that can help make lessons more fun, more challenging, and—most of all—more effective.

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and the roof will not fall in! Yes, leaders can operate a MCL system and still remain in control! The transformational change of MCL becomes clear, logical, and believable. Mass Customizing Learning is necessary and well.... Inevitable . . . and this book describes how to do it.

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Each school's story will inform and inspire, bringing to life the discussions, actions and reflections from leaders, teachers, students and families. This book features extensive, interactive appendices containing study guide questions to encourage critical thinking, annotated endnotes with recommendations for further reading and links to YouTube and relevant websites. Drawing on the latest research into the major principles and strategies of learning, this essential resource is structured into five parts: Know thy impact; Effective feedback; Visible learners; Inspired and passionate teachers; The Visible Learning School. Visible Learning into Action is aimed at any student, teacher or parent requiring an up-to-date commentary on how research into human learning processes can inform our teaching and what goes on in our schools.

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planned with diversity in mind: diverse authors from all corners of the world presenting various fields of expertise; diverse target populations and students in elementary schools, college students or military personnel in training, as well as many other student bodies. The diversity of this book reflects the complexity and variety found in the field itself, as well as purposely designed to help the reader find their point of interest.

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Dr. Kristy Custer and Dr. Michael Russell co-wrote Gaming Concepts because they saw a way to take something that students loved and turn it into an educational opportunity that would both motivate and engage both high-level achievers and apathetic learners. In addition, both authors repeatedly asked the question, Who is teaching these kids how to be safe while playing these games? And, who is teaching these kids what is and what is not appropriate while gaming? They saw a need to provide structure in the gaming community, especially to young gamers who were modeling, not always appropriately, what the more mature gamers were doing. Gaming Concepts was written as a turn-key curriculum that almost anyone with even rudimentary computer skills could teach. Mike, an experienced gamer; and Kristy, an experienced curriculum writer; make a unique and effective team as each draws on the strength of the other. While Mike provided the technical expertise, Kristy made sure that the gamer jargon was put into educationese for even the most inexperienced gaming teacher to understand. Together, they hope that Gaming Concepts will motivate other schools to take the leap into using video gaming as a powerful catalyst for learning.

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