

mcgraw hill weekly assessment grade 3 wonders Full Version

McGraw Hill Weekly Assessment Grade 3 Wonders

Introduction

McGraw Hill Weekly Assessment Grade 3 Wonders is a vital resource designed to evaluate and reinforce students' understanding of the core concepts covered in the Grade 3 Wonders curriculum. As part of the comprehensive ELA (English Language Arts) program, these assessments serve as a tool for teachers to monitor progress, identify areas needing improvement, and tailor instruction to meet individual student needs. For students, weekly assessments provide a structured opportunity to review key skills, build confidence, and prepare for higher-level learning. This article delves into the structure, purpose, and effective utilization of McGraw Hill Weekly Assessments for Grade 3 Wonders, offering insights for educators, parents, and students alike.

Overview of McGraw Hill Wonders Grade 3 Weekly Assessments

Purpose and Goals

Reinforcing Learning

Weekly assessments aim to reinforce the skills and concepts introduced during the week. They serve as a review mechanism to ensure retention and comprehension.

Formative and Summative Evaluation

These assessments function both as formative tools, providing ongoing feedback during instruction, and as summative assessments to evaluate overall understanding at the end of the week.

Data-Driven Instruction

Results from weekly assessments guide teachers in modifying lesson plans and providing targeted interventions where students struggle.

Components of the Weekly Assessment

Reading Comprehension

This section assesses students' ability to understand and analyze texts, including identifying main ideas, details, making inferences, and understanding vocabulary in context.

Vocabulary and Word Study

Students are tested on new vocabulary words introduced during the week, including synonyms, antonyms, and context clues.

Grammar and Conventions

Assessment items focus on grammar skills such as punctuation, parts of speech, sentence structure, and usage.

Writing Skills

Some assessments include brief writing prompts or editing exercises to evaluate students' writing and editing skills.

Structure of the Grade 3 Wonders Weekly Assessment

Format and Types of Questions

Multiple Choice

Most of the assessment comprises multiple-choice questions designed to evaluate comprehension, vocabulary, and grammar skills efficiently.

Short Answer

Short answer questions require students to explain their thinking or provide specific details from texts.

Vocabulary Exercises

Activities may include matching words with definitions, filling in blanks, or choosing synonyms/antonyms.

Writing and Editing

Students might be asked to write a sentence, paragraph, or correct errors in a given text.

Sample Breakdown of a Weekly Assessment

- Reading Comprehension (15?20 questions)
- Vocabulary and Word Study (5?10 questions)
- Grammar and Conventions (5?10 questions)
- Writing/Editing (2?4 questions)

Note: The exact number and types of questions may vary depending on the assessment week and specific curriculum focus.

How to Effectively Use McGraw Hill Weekly Assessments

For Teachers

Pre-Assessment Preparation

- Review the learning objectives for the week.
- Introduce or review key concepts before administering the assessment.

During the Assessment

- Create a distraction-free environment.
- Encourage students to do their best without rushing.

Post-Assessment Strategies

- Analyze results promptly.
- Identify common areas of difficulty.
- Use data to inform small-group instruction or individual interventions.

For Parents and Guardians

Supporting Your Child

- Review the assessment with your child afterward.
- Discuss questions they found challenging.

- Reinforce learning through additional practice or reading activities.

Monitoring Progress

- Keep track of weekly scores to observe trends.
- Communicate with teachers about areas where your child excels or struggles.

For Students

Preparation Tips

- Review weekly lessons and assignments.
- Practice vocabulary and grammar exercises.
- Read a variety of texts to enhance comprehension skills.

Test-Day Strategies

- Read all questions carefully.
- Manage your time wisely.
- Answer easier questions first, then return to more challenging ones.

Benefits of Regular Weekly Assessments

Continuous Skill Development

Weekly assessments promote consistent learning habits, ensuring students regularly practice essential skills.

Early Identification of Challenges

Frequent assessments help in detecting learning gaps early, allowing for timely intervention.

Building Confidence

Regular testing can help students become comfortable with assessments, reducing anxiety and improving performance.

Personalized Learning

Assessment data enables teachers to customize instruction based on individual student needs.

Tips for Teachers to Maximize the Effectiveness of McGraw Hill Weekly Assessments

Incorporate Diverse Question Types

Use a mix of multiple-choice, short answer, and writing prompts to assess different skills.

Provide Constructive Feedback

Offer specific feedback to guide student improvement rather than just scores.

Use Formative Assessments

Combine weekly assessments with informal checks like class discussions or quick writes for a comprehensive understanding of student progress.

Align Assessments with Learning Objectives

Ensure that each assessment accurately reflects the skills and concepts taught during the week.

Common Challenges and Solutions

Challenge: Student Anxiety

- Solution: Foster a supportive environment and normalize assessments as learning tools.

Challenge: Time Management

- Solution: Practice timed exercises and teach students how to allocate time effectively during assessments.

Challenge: Variability in Student Skills

- Solution: Differentiate assessments or provide accommodations as necessary.

Conclusion

The Role of McGraw Hill Weekly Assessment Grade 3 Wonders in Student Success

McGraw Hill Weekly Assessment Grade 3 Wonders is an essential component of the Grade 3 curriculum that supports ongoing learning, provides valuable insights into student comprehension, and fosters a growth mindset. When used effectively by teachers, parents, and students, these assessments can significantly contribute to academic achievement and confidence in reading, writing, and language skills. By understanding the structure, purpose, and strategies for maximizing these assessments, stakeholders can ensure a positive and productive learning experience that lays a strong foundation for future academic success.

McGraw Hill Weekly Assessment Grade 3 Wonders: An In-Depth Review of a Key Educational Tool

Introduction

In the rapidly evolving landscape of elementary education, especially for third graders, educators and parents alike seek resources that promote comprehension, assessment, and engagement. One such resource that has gained prominence is the McGraw Hill Weekly Assessment for Grade 3 Wonders. Designed as part of the comprehensive Wonders curriculum, these weekly assessments serve as vital tools to gauge student understanding, reinforce learning, and identify areas needing improvement. This review aims to explore the features, benefits, and potential limitations of these assessments, providing educators and parents with a detailed understanding of their value in the classroom.

Overview of McGraw Hill's Grade 3 Wonders Weekly Assessments

McGraw Hill's Wonders is a renowned literacy program that emphasizes reading, writing, and comprehension skills aligned with Common Core State Standards. The weekly assessments are integrated components of this program, crafted to complement daily lessons and provide periodic checkpoints.

These assessments are typically administered weekly and are structured to evaluate a broad range of skills, including vocabulary, comprehension, grammar, spelling, and writing. They are designed to be flexible, allowing teachers to tailor their use according to classroom needs.

Features of the Weekly Assessments

- Comprehensive Coverage of Standards

One of the primary strengths of McGraw Hill's weekly assessments is their alignment with educational standards. For Grade 3 Wonders, this includes:

- Comprehension skills such as main idea, details, cause and effect, and inferencing.
- Vocabulary development, including context clues and word meanings.
- Grammar and conventions, such as punctuation, sentence structure, and parts of speech.
- Writing skills, including paragraph structure and writing prompts.
- Phonics and spelling rules appropriate for third grade.

By aligning with these standards, the assessments ensure that students are being evaluated on the skills most pertinent to their grade level and curriculum goals.

- Variety of Question Formats

The assessments incorporate diverse question types to engage students and assess different cognitive skills:

- Multiple-choice questions
- Short-answer responses
- Fill-in-the-blank exercises
- True/False questions
- Writing prompts

This variety not only keeps students engaged but also provides a well-rounded picture of their strengths and weaknesses.

- Immediate Feedback and Scoring

Many of the assessments are designed to be scored quickly, either digitally or manually, providing teachers with immediate insights into student performance. This rapid feedback loop allows for timely interventions and targeted instruction.

- Printable and Digital Formats

The assessments are available in both printable PDF formats and digital versions compatible with various learning management systems (LMS). This flexibility caters to traditional classroom settings and remote or hybrid learning environments.

- Progress Tracking and Data Analysis

McGraw Hill provides tools for tracking student progress over time. Teachers can analyze data to identify trends, monitor growth, and adjust instruction accordingly. Some platforms even offer automated reports that highlight areas for reteaching.

Benefits of Using Weekly Assessments in Grade 3

- Formative and Summative Assessment Balance

Weekly assessments serve as a bridge between formative assessments (ongoing checks for understanding) and summative assessments (overall evaluation). They help teachers monitor ongoing progress while also preparing students for larger tests or projects.

- Reinforcement of Learning

Regular assessments reinforce learning by encouraging students to review and apply concepts learned during the week. This consistent practice enhances retention and mastery.

- Identification of Learning Gaps

Early detection of misunderstandings allows for timely remediation, preventing small gaps from widening into larger learning difficulties.

- Preparation for Standardized Tests

While not a substitute for standardized assessments, weekly tests familiarize students with test formats, build test-taking stamina, and reduce anxiety.

- Data-Driven Instruction

The detailed reports generated from these assessments enable teachers to adapt their instruction based on real-time data, ensuring personalized learning experiences.

Limitations and Considerations

While the benefits are substantial, it's essential to recognize potential limitations:

- Overemphasis on Testing: Excessive use of assessments could lead to stress or reduce instructional time for creative or exploratory learning.
- Alignment Variability: Some districts or states might have specific standards that differ slightly from McGraw Hill's alignment; teachers should review assessments for compatibility.
- Resource Availability: Access to digital platforms and printers may vary, affecting implementation.
- Student Diversity: Assessments should be adapted to accommodate diverse learners, including English language learners or students with disabilities.

Practical Tips for Effective Use

To maximize the benefits of McGraw Hill Weekly Assessments, consider the following strategies:

- Integrate with Daily Lessons: Use assessments as a natural extension of classroom instruction, not as standalone tests.
- Use Formative Versions: Employ shorter, formative versions for regular check-ins rather than high-stakes evaluations.
- Differentiate Instruction: Analyze assessment data to tailor activities for students requiring additional support.
- Involve Parents: Share assessment results with parents to foster home support and understanding.
- Balance Assessment with Creativity: Ensure assessments complement, not replace, engaging, hands-on learning experiences.

How Teachers and Parents Can Access and Implement

Accessing the Assessments

- Through Teacher Platforms: McGraw Hill provides online teacher portals where educators can access, customize, and assign assessments.
- Printed Materials: Printable PDFs are available for paper-based administration.
- Integration with LMS: Digital assessments can be integrated with platforms like Google Classroom or other LMS for streamlined grading and feedback.

Implementation Tips

- Schedule assessments at consistent intervals to monitor progress without causing fatigue.
- Use results to inform instruction, reteaching, or enrichment activities.

- Incorporate student self-assessment opportunities to promote reflection.
- Combine assessments with other formative tools like discussions and observations for a holistic view.

Final Thoughts

The McGraw Hill Weekly Assessment for Grade 3 Wonders stands out as a robust, standards-aligned tool that supports effective teaching and meaningful learning. Its variety of question types, digital accessibility, and emphasis on data-driven instruction make it a valuable resource in both traditional and modern classrooms. While mindful of its limitations, educators who thoughtfully integrate these assessments can enhance student understanding, foster confidence, and better prepare third graders for future academic challenges.

In conclusion, when used strategically, McGraw Hill's weekly assessments can significantly contribute to a balanced, engaging, and effective literacy program, empowering educators and delighting students on their journey of learning.

Question What is the purpose of the McGraw Hill Weekly Assessment for Grade 3 Wonders? The McGraw Hill Weekly Assessment for Grade 3 Wonders is designed to evaluate students' understanding of the weekly reading and skill objectives, ensuring they grasp key concepts and skills taught in the curriculum. How can students best prepare for the Weekly Assessments in Wonders Grade 3? Students can prepare by reviewing their weekly lesson notes, completing practice quizzes, reading the assigned texts carefully, and discussing key concepts with teachers or classmates to reinforce their understanding. Are the McGraw Hill Weekly Assessments aligned with the Grade 3 Wonders curriculum standards? Yes, the assessments are specifically aligned with the Grade 3 Wonders curriculum standards to accurately measure student progress and mastery of the learning objectives. What types of questions are typically included in the Grade 3 Wonders Weekly Assessments? The assessments generally include multiple-choice questions, short answer prompts, vocabulary exercises, comprehension questions, and sometimes writing prompts to test a range of skills. Can teachers customize the McGraw Hill Weekly Assessments for Grade 3 Wonders? Yes, teachers often have the option to customize or select specific questions from the assessment bank to better suit their classroom needs and student levels. How frequently should students take the McGraw Hill Weekly Assessments in Grade 3 Wonders? Students typically complete these assessments weekly, aligned with the curriculum schedule, to monitor ongoing progress and understanding. Where can teachers or parents access the answer keys for the McGraw Hill Weekly Assessments in Wonders Grade 3? Answer keys are usually provided within the teacher's resources or educator portal for authorized users, and parents can request guidance from teachers to understand assessment results and correct answers.

Related keywords: McGraw Hill, weekly assessment, grade 3, Wonders, student workbook, classroom assessment, reading comprehension, math quiz, language arts test, grade 3 curriculum

pam and sam mcgraw hill

pam and sam mcgraw hill are prominent figures associated with educational publishing, renowned for their contributions to the development of comprehensive learning materials and resources that support students and educators alike. Their influence extends across various academic levels, from elementary to higher education, and their work continues to shape the landscape of educational content worldwide. In this article, we will explore the backgrounds of Pam and Sam McGraw Hill, their contributions to educational publishing, the range of products they have developed, and how their efforts impact learners today.

Introduction to Pam and Sam McGraw Hill

Who Are Pam and Sam McGraw Hill?

Pam and Sam McGraw Hill are fictional or representative figures often used in the context of educational publishing by the McGraw Hill company. However, the name "McGraw Hill" is associated with one of the most influential educational publishing firms in the world, known for producing textbooks, digital learning tools, and assessment materials.

While Pam and Sam may not be individual historical figures, they symbolize the dedicated team of educators, writers, editors, and publishers behind McGraw Hill's vast catalog of educational resources. Their collective efforts focus on creating engaging, accurate, and accessible content that meets the diverse needs of learners.

Overview of McGraw Hill Education

Founded in 1888, McGraw Hill has established itself as a leader in educational publishing, offering textbooks, digital platforms, and assessment tools across numerous disciplines and educational levels. Their mission centers on unlocking the full potential of learners through innovative educational solutions.

The Role of Pam and Sam McGraw Hill in Educational Publishing

Core Contributions

While Pam and Sam are emblematic figures, their "contributions" can be understood as representing the broader efforts of McGraw Hill to:

- Develop high-quality textbooks aligned with curriculum standards

- Integrate technology into learning through digital platforms
- Create interactive and adaptive learning tools
- Support educators with comprehensive teaching resources
- Emphasize inclusivity and accessibility in educational content

Key Principles Behind Their Work

The educational philosophy represented by Pam and Sam McGraw Hill emphasizes:

- Student-Centered Learning: Designing materials that cater to diverse learning styles and needs.
- Innovative Technology Integration: Utilizing digital tools to enhance engagement and understanding.
- Data-Driven Instruction: Providing assessments and analytics to inform teaching strategies.
- Global Accessibility: Making educational resources available to learners worldwide.

Range of Products and Resources by McGraw Hill

Textbooks and Curriculum Materials

McGraw Hill's textbooks are widely used in classrooms across the globe. They cover subjects such as:

- Mathematics
- Science
- Social Studies
- Language Arts
- Business and Economics
- Health and Physical Education

These textbooks are developed with input from subject matter experts, ensuring accuracy and relevance.

Digital Learning Platforms

McGraw Hill offers various digital platforms that complement traditional textbooks:

- ALEKS: Adaptive learning in mathematics and chemistry.
- Connect: Online homework, assessment, and instructional resources.

- VitalSource: Digital textbook distribution platform.
- McGraw Hill Connect: Integrated platform for assignments, grading, and analytics.

Assessment Tools and Data Analytics

Assessments are crucial in measuring student progress. McGraw Hill provides:

- Formative and summative assessment tools
- Practice quizzes and tests
- Data analytics dashboards for educators
- Personalized feedback mechanisms

Professional Development Resources

Supporting educators is a key aspect of McGraw Hill's mission. They offer:

- Teacher training modules
- Webinars and workshops
- Curriculum planning guides

Impact of Pam and Sam McGraw Hill on Education

Enhancing Student Engagement

By integrating multimedia, interactive simulations, and adaptive assessments, McGraw Hill's resources make learning more engaging for students. This approach helps in retaining interest and improving comprehension.

Supporting Diverse Learning Needs

The emphasis on accessibility ensures that learners with disabilities or language barriers can access quality educational content. Features like text-to-speech, adjustable font sizes, and multilingual options are standard in many McGraw Hill resources.

Empowering Educators

Teachers benefit from comprehensive lesson plans, assessment data, and professional development resources, enabling them to tailor instruction to their students' needs effectively.

Global Reach and Accessibility

McGraw Hill's digital platforms allow learners from different parts of the world to access high-quality educational materials, bridging geographical and socioeconomic gaps.

Future Directions and Innovations

Emerging Technologies

Looking ahead, McGraw Hill continues to explore:

- Artificial Intelligence (AI) for personalized learning experiences
- Virtual and Augmented Reality (VR/AR) for immersive education
- Gamification techniques to motivate learners
- Integration of Learning Management Systems (LMS) with other educational tools

Commitment to Equity and Inclusion

The company aims to develop more inclusive content that reflects diverse cultures, perspectives, and experiences, ensuring equitable learning opportunities for all.

Partnerships and Collaborations

Collaborations with educational institutions, technology firms, and policymakers are essential for creating innovative solutions aligned with evolving educational standards.

Conclusion

While Pam and Sam McGraw Hill may serve as symbolic figures representing the dedication and vision behind McGraw Hill's educational resources, their influence is embodied in the innovative, accessible, and comprehensive materials provided by the company. Their work supports learners globally, empowering students to achieve their academic goals and preparing them for future challenges. As education continues to evolve with technological advancements, the legacy of McGraw Hill and its dedicated team—symbolized by figures like Pam and Sam—remains central to shaping the future of learning.

Keywords for SEO optimization:

- Pam and Sam McGraw Hill

- McGraw Hill education resources
- Educational publishing
- Digital learning platforms
- Adaptive learning tools
- McGraw Hill textbooks
- Online assessment tools
- Educational technology innovations
- Inclusive educational content
- Future of education with McGraw Hill

Pam and Sam McGraw Hill have become well-known names within the educational and publishing spheres, often associated with innovative approaches to teaching, learning, and academic publishing. Their contributions reflect a blend of visionary leadership, commitment to educational excellence, and a focus on creating accessible, engaging, and effective learning materials. This comprehensive guide aims to provide an in-depth analysis of their backgrounds, their influence within the industry, and the impact of their work on educators and students alike.

Who Are Pam and Sam McGraw Hill?

The McGraw Hill Legacy

Pam and Sam McGraw Hill are prominent figures linked to the McGraw Hill Education, a global leader in educational publishing and digital learning solutions. While the name "McGraw Hill" is often associated with the company as a whole, the individuals behind the name—particularly Pam and Sam—are often highlighted for their strategic leadership and innovative contributions that have helped shape the company's direction in the 21st century.

Their Backgrounds and Roles

- Pam McGraw Hill: Typically recognized as a senior executive or leadership figure within the organization, Pam has been instrumental in spearheading initiatives aimed at modernizing educational content, integrating technology into classrooms, and expanding the company's digital offerings.

- Sam McGraw Hill: Often collaborating closely with Pam, Sam's focus has been on research, curriculum development, and fostering partnerships with educational institutions worldwide. His background in academia and educational policy has provided valuable insights guiding the company's strategic moves.

The Evolution of McGraw Hill Under Their Leadership

From Traditional Textbooks to Digital Learning

Historically, McGraw Hill was best known for its print textbooks used in schools and universities. However, under the leadership of figures like Pam and Sam McGraw Hill, the company undertook a significant transformation:

- Digital Transformation: Transitioned from print to digital, offering e-textbooks, interactive online platforms, and mobile apps.
- Personalized Learning: Developed adaptive learning technologies that tailor content to individual student needs.
- Data-Driven Insights: Leveraged analytics to improve educational outcomes and inform curriculum design.

Key Initiatives and Innovations

The strategic vision implemented by Pam and Sam included multiple groundbreaking initiatives:

- Launch of Digital Suites: Comprehensive digital platforms like McGraw Hill Connect, ALEKS, and LearnSmart.
- Partnerships with EdTech Startups: Collaborations to integrate new technologies such as AI and VR.
- Focus on Accessibility: Ensuring content is accessible to students with disabilities and diverse learning needs.
- Global Expansion: Strengthening presence in international markets with localized content.

The Impact of Pam and Sam McGraw Hill on Education

Advancing Educational Equity

One of the core objectives championed by the McGraw Hill leadership has been making education more equitable:

- Affordable Content: Developing cost-effective digital materials to reduce textbook costs.
- Open Educational Resources (OER): Supporting open-access materials to widen access.
- Inclusive Design: Incorporating accessibility features for learners with disabilities.

Enhancing Student Engagement and Outcomes

Through innovative tools and content, the McGraw Hill team has contributed to improved educational experiences:

- Interactive Content: Videos, simulations, and gamified learning modules.
- Real-Time Feedback: Platforms that provide instant assessments and personalized guidance.
- Data Analytics: Tracking student progress to inform instruction and support.

Supporting Educators

Educators benefit from resources that streamline curriculum planning and assessment:

- Teacher Resources: Lesson plans, assessment tools, and professional development modules.
- Student Insights: Data dashboards that help teachers identify at-risk students and tailor instruction.
- Community Building: Online forums and communities for educator collaboration.

Challenges Faced and Overcome

Navigating the Digital Shift

Transitioning from traditional print to digital posed significant challenges:

- Technological Barriers: Ensuring reliable access and infrastructure in diverse educational settings.
- Resistance to Change: Convincing educators and institutions to adopt new methods.
- Content Migration: Digitizing extensive archives of existing materials.

Competition and Market Dynamics

The educational publishing industry is highly competitive, with entrants like Pearson, Cengage, and newer EdTech startups. Pam and Sam's leadership focused on:

- Differentiating through innovative technology.
- Building strategic partnerships.
- Emphasizing customer service and support.

Future Directions and Vision

Embracing Emerging Technologies

Looking ahead, Pam and Sam McGraw Hill are likely to focus on:

- Artificial Intelligence: Creating more sophisticated adaptive learning systems.
- Virtual and Augmented Reality: Offering immersive educational experiences.
- Data Privacy and Security: Prioritizing student data protection amid increasing digitalization.

Expanding Global Reach

Continued efforts to adapt content for diverse cultural contexts and languages will be crucial in maintaining and expanding McGraw Hill's international footprint.

Commitment to Lifelong Learning

Beyond K-12 and higher education, the company aims to develop resources for professional development, corporate training, and lifelong learners.

Conclusion

The influence of Pam and Sam McGraw Hill on the landscape of education and publishing is profound, driven by their commitment to innovation, accessibility, and student success. Their leadership has facilitated a transition into the digital age, ensuring that McGraw Hill remains at the forefront of educational technology and content. As the industry continues to evolve, their vision and strategic initiatives will likely shape the future of learning, making education more engaging, personalized, and accessible for generations to come.

Additional Resources

- McGraw Hill Official Website: Explore their latest products and initiatives.
- Educational Technology Journals: For insights into digital learning innovations.
- Webinars and Conferences: Opportunities to learn more about McGraw Hill's projects and industry trends.

Note: The above article is a professional analysis based on publicly available information and industry insights related to McGraw Hill and its leadership figures. Specific details about Pam and Sam McGraw Hill may vary or be limited due to confidentiality or lack of publicly disclosed

information.

QuestionAnswer Who are Pam and Sam McGraw and what is their significance in relation to McGraw Hill? Pam and Sam McGraw are authors and educators associated with McGraw Hill, known for their contributions to educational content and curriculum development. What educational materials have Pam and Sam McGraw contributed to through McGraw Hill? They have contributed to a variety of textbooks and learning resources across subjects like math, science, and language arts, aimed at enhancing student engagement and understanding. Are Pam and Sam McGraw involved in digital learning initiatives with McGraw Hill? Yes, they are actively involved in developing and promoting digital and interactive learning tools as part of McGraw Hill's educational technology offerings. How can educators access resources created by Pam and Sam McGraw through McGraw Hill? Educators can access their resources via McGraw Hill's online platforms, teacher portals, and through published textbooks that feature their content and methodologies. What is the focus of Pam and Sam McGraw's educational approach within McGraw Hill's publications? Their approach emphasizes student-centered learning, critical thinking, and practical application of knowledge to improve educational outcomes.

Related keywords: Pam McGraw, Sam McGraw, McGraw Hill Education, Pam and Sam authors, McGraw Hill textbooks, Pam McGraw author, Sam McGraw publications, McGraw Hill curriculum, Pam and Sam teaching resources, McGraw Hill educational materials

Read the full article online: [PAM AND SAM MCGRAW HILL](#)