

Houghton Mifflin Harcourt Co  
Form 10-K  
February 26, 2015  
[Table of Contents](#)

**UNITED STATES**  
**SECURITIES AND EXCHANGE COMMISSION**  
**WASHINGTON, D.C. 20549**

**FORM 10-K**

x **ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934, or**

**For the fiscal year ended December 31, 2014**

.. **TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

**Commission file number 001-36166**

**Houghton Mifflin Harcourt Company**

**(Exact name of registrant as specified in its charter)**

**Delaware**  
**(State or other jurisdiction of**  
**incorporation or organization)**

**27-1566372**  
**(I.R.S. Employer**  
**Identification No.)**

**222 Berkeley Street**

**Boston, MA 02116**

**(617) 351-5000**

**(Address, including zip code, and telephone number, including area code, of registrant's principal executive offices)**

**Securities registered pursuant to Section 12(b) of the Act:**

<b>Title of each class</b>	<b>Name of each exchange on which registered</b>
<b>Common Stock, \$0.01 par value</b>	<b>The NASDAQ Stock Market LLC</b>

**Securities registered pursuant to Section 12(g) of the Act: None**

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes  No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes  No

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the Registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes  No

Indicate by check mark whether the Registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§ 232.405 of this chapter) during the preceding 12 months (or for such shorter period that the Registrant was required to submit and post such files). Yes  No

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K (§ 229.405 of this chapter) is not contained herein, and will not be contained, to the best of Registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K.

Indicate by check mark whether the Registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of large accelerated filer, accelerated filer and smaller reporting company in Rule 12b-2 of the Exchange Act.

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Large accelerated filer  Accelerated filer   
Non-accelerated filer  Smaller reporting company   
Indicate by check mark whether the Registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes  No

The aggregate market value of the voting stock held by non-affiliates of the Registrant as of June 30, 2014, was approximately \$2.1 billion.

The number of shares of common stock, par value \$0.01 per share, outstanding as of February 12, 2015 was 142,172,861.

**Documents incorporated by reference and made a part of this Form 10-K:**

The information required by Part III of this Form 10-K, to the extent not set forth herein, is incorporated herein by reference from the Registrant's Definitive Proxy Statement for its 2015 Annual Meeting of Stockholders, to be filed with the Securities and Exchange Commission not later than 120 days after December 31, 2014.

**Table of Contents****Table of Contents**

	<b>Page(s)</b>
<b><u>PART I</u></b>	
Item 1. <u>Business</u>	4
Item 1A. <u>Risk Factors</u>	17
Item 1B. <u>Unresolved Staff Comments</u>	26
Item 2. <u>Properties</u>	26
Item 3. <u>Legal Proceedings</u>	26
Item 4. <u>Mine Safety Disclosures</u>	27
<b><u>PART II</u></b>	
Item 5. <u>Market for Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities</u>	27
Item 6. <u>Selected Financial Data</u>	29
Item 7. <u>Management's Discussion and Analysis of Financial Condition and Results of Operations</u>	31
Item 7A. <u>Quantitative and Qualitative Disclosures About Market Risk</u>	59
Item 8. <u>Financial Statements and Supplementary Data</u>	60
Item 9. <u>Changes in and Disagreements with Accountants on Accounting and Financial Disclosure</u>	109
Item 9A. <u>Controls and Procedures</u>	109
Item 9B. <u>Other Information</u>	110
<b><u>PART III</u></b>	
Item 10. <u>Directors, Executive Officers and Corporate Governance</u>	110
Item 11. <u>Executive Compensation</u>	110
Item 12. <u>Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters</u>	110
Item 13. <u>Certain Relationships and Related Transactions, and Director Independence</u>	110
Item 14. <u>Principal Accounting Fees and Services</u>	110
<b><u>PART IV</u></b>	
Item 15. <u>Exhibits, Financial Statement Schedules</u>	111
<b><u>SIGNATURES</u></b>	117

**Table of Contents**

**SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS**

The statements contained herein include forward-looking statements, which involve risks and uncertainties. These forward-looking statements can be identified by the use of forward-looking terminology, including the terms believes, estimates, projects, anticipates, expects, could, intends, may, will or should, forecast, intend, target or, in each case, their negative, or other variations or comparable terminology. These forward-looking statements include all matters that are not historical facts. They include statements regarding our intentions, beliefs or current expectations concerning, among other things, our results of operations, financial condition, liquidity, prospects, growth, strategies, the industry in which we operate and potential business decisions. We derive many of our forward-looking statements from our operating budgets and forecasts, which are based upon many detailed assumptions. While we believe that our assumptions are reasonable, we caution that it is very difficult to predict the impact of known factors, and, of course, it is impossible for us to anticipate all factors that could affect our actual results. All forward-looking statements are based upon information available to us on the date of this report.

By their nature, forward-looking statements involve risks and uncertainties because they relate to events and depend on circumstances that may or may not occur in the future. We caution you that forward-looking statements are not guarantees of future performance and that our actual results of operations, financial condition and liquidity, and the development of the industry in which we operate may differ materially from those made in or suggested by the forward-looking statements contained herein. In addition, even if our results of operations, financial condition and liquidity and the development of the industry in which we operate are consistent with the forward looking statements contained herein, those results or developments may not be indicative of results or developments in subsequent periods.

Important factors that could cause our results to vary from expectations include, but are not limited to: changes in state and local education funding and/or related programs, legislation and procurement processes; adverse or worsening economic trends or the continuation of current economic conditions; changes in consumer demand for, and acceptance of, our products; changes in competitive factors; offerings by technology companies that compete with our products; industry cycles and trends; conditions and/or changes in the publishing industry; changes or the loss of our key third-party print vendors; restrictions under agreements governing our outstanding indebtedness; changes in laws or regulations governing our business and operations; changes or failures in the information technology systems we use; demographic trends; uncertainty surrounding our ability to enforce our intellectual property rights; inability to retain management or hire employees; impact of potential impairment of goodwill and other intangibles in a challenging economy; decline or volatility of our stock price regardless of our operating performance; and other factors discussed in the Risk Factors section of this Annual Report on Form 10-K (this Annual Report ). In light of these risks, uncertainties and assumptions, the forward-looking events described herein may not occur.

We undertake no obligation, and do not expect, to publicly update or publicly revise any forward-looking statement, whether as a result of new information, future events or otherwise, except as required by law. All subsequent written and oral forward-looking statements attributable to us or to persons acting on our behalf are expressly qualified in their entirety by the cautionary statements contained herein.

## Table of Contents

### **Item 1. Business**

As used in this Annual Report, the terms we, us, our, HMH and the Company refer to Houghton Mifflin Harcourt Company, formerly known as HMH Holdings (Delaware), Inc., and its consolidated subsidiaries, unless otherwise expressly stated or the context otherwise requires.

#### **Company Overview**

*Our mission is to change people's lives by fostering passionate, curious learners. We believe that by combining world-class educational content and services with cutting edge technology, we can enable learning in a changing landscape and make the educational process more dynamic, engaging and effective.*

We are a global learning company, specializing in education solutions across a variety of media. We deliver content, services and technology to both educational institutions and consumers, reaching over 50 million students in more than 150 countries worldwide. In the United States, we are the leading provider of Kindergarten through 12<sup>th</sup> grade (K-12) educational content by market share. We believe that nearly every current K-12 student in the United States has utilized our content during the course of his or her education. As a result, we believe that we have an established reputation with students and educators that is difficult for others to replicate and that positions us to also provide content and services that serve their learning needs beyond the classroom. We believe our long-standing reputation and well-known brands enable us to capitalize on consumer and digital trends in the education market through our existing and developing channels. Furthermore, since 1832, we have published trade and reference materials, including adult and children's fiction and non-fiction books that have won industry awards such as the Pulitzer Prize, Newbery and Caldecott medals and National Book Award, all of which we believe are widely known.

We believe our leadership position in the K-12 market, our primary market, provides us with strong competitive advantages. We have established relationships with educators, institutions, parents, students and life-long learners around the world that are founded on our education expertise, content and services that meet the evolving needs of our customers. Our portfolio of intellectual property spans educational, general interest, children's and reference works, and has been developed by award-winning authors including 9 Nobel Prize winners, 48 Pulitzer Prize winners and 13 National Book Award winners and learning architects with expertise in education pedagogy. Our content includes characters and titles such as Curious George, Carmen Sandiego, The Oregon Trail, *The Little Prince*, *The Lord of the Rings*, *Life of Pi*, *Webster's New World Dictionary* and Cliffs Notes that we believe are recognized in the United States and internationally. Through our network of over 500 quota-carrying sales professionals, we serve a growing list of institutional customers.

We sell our products and services across multiple media and distribution channels and are expanding our customer base beyond educational institutions, with an increasing focus on individual consumers who comprise a significant target audience of life-long learners. Leveraging our portfolio of content, including some of our children's brands and titles that we believe are iconic and timeless, such as Carmen Sandiego and Curious George, we create interactive digital content, mobile apps and educational games, build websites and provide technology-based educational solutions for the home. Based on the strength of our content portfolio and its adaptability across multiple distribution channels, we believe that we are also well positioned to expand into the early learning and global English language learning markets without significant additional costs associated with content development.

We believe we are a leader in transforming the traditional educational content and services landscape based on our market share, which is greater than 40% in our addressable market, and the size of our digital products portfolio, which includes approximately 34,000 titles. Our digital products portfolio, combined with our content development or distribution agreements with recognized technology leaders, such as Apple, Google, Intel and Knewton, enables us to

bring our next-generation learning solutions and content to learners across virtually all platforms and devices. These agreements, however, are non-exclusive, and these technology leaders may also

## **Table of Contents**

have agreements with our competitors who are moving into the digital-content market. Additionally, we believe our technology and development capabilities allow us to enhance content engagement and effectiveness with embedded assessment, interactivity, personalization and adaptivity.

In addition to our comprehensive instructional materials, we provide assessment solutions, school improvement and professional development services, which help teachers and administrators meet their academic objectives and regulatory mandates. We believe that our research-based education solutions are important for school systems and educators as they provide a comprehensive set of curriculum and instructional strategy solutions designed to deliver learning and teaching results both in the classroom and at home.

## **Market Opportunity**

### ***Rising Global Demand for Education***

We believe we are a leading provider in the global learning market based on our market share and are well positioned to take advantage of the continued growth expected to result as more countries transition to knowledge-based economies, global markets integrate, and consumption, especially in emerging markets, rises. In International markets, we focus our offerings on English language education and instructional products. The global education sector, especially in Asia and the Middle East, is experiencing rising enrollments and increasing government and consumer spending driven by the close connection between levels of educational attainment, evolving standards, personal career prospects and economic growth that will increase the demand for our English language products. In particular, we believe that the educational markets where we are focusing our international growth, such as China, India, Brazil, Mexico and the Middle East, are poised for long-term growth. However, there can be no guarantee that the global educational markets will continue to rise or that we will be able to increase our market share in foreign countries or benefit from growth in these markets.

### ***U.S. K-12 Market is Large and Growing***

In the United States, which is our primary market today and in which we sell educational content for both public and private schools, the K-12 education sector represents one of the largest industry segments accounting for over \$632 billion of expenditures, or about 4.4% of the 2011 U.S. gross domestic product as measured by the U.S Education's National Center for Education Statistics ( NCES ) for the 2010-2011 school year. The instructional supplies and services component of this market was estimated to be approximately \$30 billion in 2011 and is expected to continue growing as a result of several secular and cyclical factors. From 2000-01 to 2010-11, current expenditures per student in public elementary and secondary schools increased by 14%, after adjusting for inflation. However, there can be no assurance that the U.S. K-12 market will grow.

In addition to its size, the U.S. K-12 education market is highly decentralized and is characterized by complex content adoption processes. The sector is comprised of approximately 15,600 public school districts across the 50 states and 132,000 public and private elementary and secondary schools. We believe this market structure underscores the importance of scale and industry relationships and the need for broad, diverse coverage across states, districts and schools. Even while we believe certain initiatives in the education sector such as the Common Core State Standards, a set of shared math and literacy standards benchmarked to international standards, have increased standardization in K-12 education content, we believe significant state standard specific customization still exists, and we believe the need to address customization provides an ongoing need for companies in the sector to maintain relationships with individual state and district policymakers and expertise in state-varying academic standards.



Growth in the U.S. K-12 market for educational content and services will be driven by several factors. In the near term, total spend by institutions, which is largely dependent upon state and local funding, is rebounding in the wake of the U.S. economic recovery. While the market has historically grown above the pace of inflation, averaging 7.2% growth annually since 1969, the difficult operating environment stemming from the recession has caused many states and school districts to defer spending on educational materials. Following the recovery,

## **Table of Contents**

and as tax revenues collected through income, sales and property taxes continue to rebound, institutional customers benefit from improved funding cycles. However, the U.S. economic recovery has been slower than anticipated and there can be no assurance that any further improvement will be significant. Nevertheless, states such as California, Florida and Texas have been moving forward with major adoptions of instructional materials. For example, in 2015 California is scheduled to adopt materials in English language arts, Florida is scheduled to adopt social studies materials, and Texas is expected to purchase social studies and high school mathematics materials adopted in 2014.

Longer-term growth in the U.S. K-12 market is positively correlated with student enrollments. Compared to 54.7 million students in 2010, total U.S. public school enrollments are expected to increase to approximately 58.0 million by the 2022 school year, according to NCES and the U.S. Census Bureau. Accordingly, NCES forecasts that the current expenditures in the U.S. K-12 market are expected to grow to approximately \$699 billion by 2022-23. The instructional supplies and services market, which uses the types of educational materials and services that we offer, represents approximately 4.8%, or \$33.5 billion, of these expenditures. There is no guarantee that spending will increase by the amount forecasted and, if it does, there is no guarantee that our sales will increase accordingly.

In addition, increased investment in areas of government policy focus is expected to further drive market growth. For example, President Obama has identified early childhood development as an important education initiative of his administration and has proposed a Preschool for All initiative, which has not been enacted, with a \$75 billion budget over the next 10 years to increase access to high-quality early childhood education. In addition, according to a January 2015 report from the Education Commission of the States (ECS), state funding for Preschool programs totaled \$6.3 billion in fiscal 2014-15, a 12% increase from the prior fiscal year. We believe the adoption of new academic standards in many states, including states that have adopted the Common Core State Standards in mathematics and English language arts, is also expanding the market for teacher professional development and school improvement services.

### ***Increasing Focus on Accountability and Student Outcomes***

U.S. K-12 education has come under significant political scrutiny in recent years, due to recognition of its importance to the U.S. society at large and concern over the perceived decline in U.S. students' competitiveness relative to their international peers. An independent task force report published in March of 2012 by the Council on Foreign Relations, a non-partisan membership organization and think tank, observed that American students rank far behind global leaders in international tests of literacy, math and science, and concluded that the current state of U.S. education severely impairs the United States' economic, military and diplomatic security as well as broader components of America's global leadership.

These concerns helped lead to the passage of No Child Left Behind (NCLB), in 2002, which ushered in an era of stricter accountability, higher standards and increased transparency in education. Since the enactment of NCLB, states have been required to measure annual progress towards these standards and make results publicly available. Race to the Top, a competitive grant program initiated by the U.S. Department of Education (DOE) in 2009, continued the push for greater accountability, encouraging states to adopt internationally benchmarked college and career-ready standards and teacher evaluation systems based in part on standardized test scores. Since 2009, 46 states have adopted and most are now in the process of implementing new academic standards in mathematics and English language arts, based on the Common Core State Standards, developed under the auspices of governors and state chief school officers.

This heightened focus on accountability and the adoption of new, more rigorous standards has elevated the importance of, and helped drive demand for, high-quality, proven content that is aligned with these standards and empowers educators to meet new requirements. Schools have also increased their expenditures on services that provide them

with the data management and assessment capabilities they need to measure their progress. Although this trend may lead to increases in spending by schools and districts, educational mandates and expenditures can also be affected by other factors.

## Table of Contents

### *Growing Shift Towards Digital Materials*

The digitalization of education content and delivery is also driving a substantial shift in the education market. An increasing number of schools are utilizing digital content in their classrooms and implementing online or blended learning environments, which mix the use of print and digital educational materials in the classroom. Technologies are also being adapted for educational uses on the internet, mobile devices and through cloud-computing, which permits the sharing of digital files and programs among multiple computers or other devices at the same time through a virtual network. An analysis conducted by the DOE in 2009 that surveyed more than a thousand empirical studies of online learning found that, on average, students in online learning conditions performed modestly better than those receiving face-to-face instruction.

While the adoption of technology within the U.S. K-12 market may differ significantly across districts and states due to varying resources and infrastructure, most schools are seeking to implement more technology and are seeking partners to help them create effective digital learning environments. In some cases, districts are requiring providers of instructional materials to include digital components in their offerings, and are exploring subscription-based models for acquiring content. Many educators also believe that the increased implementation of digital learning environments will enable the widespread use of learning analytics, which enhance the ability to monitor patterns or gather intelligence surrounding student behavior and learning to ultimately help schools build better pedagogical methods, target at-risk students and improve student retention.

### **Competitive Strengths**

We believe we are a leader in our market based on our decades-long experience developing content and solutions and forming and maintaining long-term customer and industry relationships. We believe the following to be our key competitive strengths:

**High-quality content portfolio.** Our intellectual property portfolio is one of our most valuable and difficult to replicate assets. It reflects multi-billion dollar investments over our history in content development, conceptualization and acquisition, including, on average, \$120 million in annual pre-publication content development expenditures over the past five years. Our portfolio contains almost 500,000 separate International Standard Book Numbers, including print, digital and bundled titles, spanning education, general interest, children's and reference works and includes content developed in collaboration with respected educational authors such as Irene Fountas, Gay Su Pinnell and Ed Berger. We leverage this content, which is backed by decades of research, to provide educational products and solutions used and relied upon daily by thousands of teachers, students, parents and lifelong learners. Our solutions provide comprehensive and effective educational curricula developed to meet or exceed U.S. and global education standards, including the Common Core State Standards. As an example of the efficacy of our educational content, a recent independent, gold standard randomized control trial study (the only research design meeting What Works Clearinghouse standards for demonstrating effectiveness), conducted by PRES Associates, concluded that students using *HMH Journeys* had significantly greater learning gains than similar students using competitors' reading programs.

**Long-standing relationships with educators and other key education stakeholders.** Cultivating relationships with educators is a critical success factor in our market. Given the nature of K-12 education and the market's multi-year usage cycle, wherein schools use a specific curriculum program for several years, we believe that educators have little room for error in selecting programs for their schools and seek out relationships with

established providers to minimize curriculum selection risk. We believe our relationships with educators are an important source of competitive advantage. Our relationships reflect a long history of education policy expertise, unique content development competencies, and results-driven education solutions, and lead to strong contract retention and better access to new customers and future growth opportunities. For example, as states have considered adopting the Common Core State Standards and adding their state-specific academic requirements to Common Core State Standards, we have played an active role in the changing curriculum landscape. We have met with various state leaders and discussed generally the transition to Common Core State Standards and related matters, including how our products,

## Table of Contents

services and capabilities can help educators with that transition. Separately, we provide fee-based teacher training sessions through our educational services offerings for educators adopting the Common Core State Standards. These services constitute part of our growing suite of professional services provided to improve educational effectiveness for schools and educators.

Our sales force utilizes a strategic, consultative approach that involves stakeholders at every level of the decision-making process, from state legislators and school districts to school administrators and teachers. Our approach positions us to flexibly respond to schools and teachers' needs, as demonstrated by our growing suite of professional services, which are focused on improving educational effectiveness at both the institutional and instructor levels.

**Iconic brands with international recognition.** Our brands include characters and titles that we believe are recognized in the United States and internationally, such as *Curious George*, *CliffsNotes*, *Gossie & Gertie*, *The Polar Express* and *Life of Pi*, and which we believe resonate with students, teachers, educators and parents. We believe that nearly every school-aged child in the United States has used our curriculum as part of their education because we sell our educational products to approximately 13,850 public school districts and 14,600 private schools in the United States that collectively represent approximately 98% of student enrollments in the United States. Our comprehensive instructional materials reach 100% of the top 1,000 school districts in the United States. This combination of reach and recognition contributes to what we believe is a long-lasting relationship with consumers, who are introduced to our brands as children, use our educational products throughout their pre-K-12 school years, read our general interest titles as adults, and then purchase our content for their own children. We believe that we have a strong foundation upon which to further monetize our intellectual property across new media and channels, including websites, mobile applications, e-books and games.

**Strategic relationships with industry and technology thought leaders.** Our position as a leader in our market allows us to continually expand upon our strategic relationships with both industry and technology thought leaders. These relationships enable us to create innovative solutions that meet the evolving needs of the global education market. For example, our agreements with technology companies in the U.S. K-12 education market include a non-exclusive digital distribution agreement with Apple under which our educational content is delivered on the iOS platform as interactive textbooks through the iBookstore and a non-exclusive agreement with Knewton to deliver adaptive learning solutions to K-12 students in the United States via the integration of our educational content with Knewton's proprietary personalized learning technology. Additionally, we have entered into a series of agreements with A&E, a cable and television channel, enabling us to develop and offer traditional and digital instructional materials featuring A&E History multimedia content in co-branded products in the U.S. market.

**Strong financial position and scalable business model.** Our strong financial position is derived from our ability to generate significant cash flow from operating activities and the actions that we have taken over the past few years. For the years ended December 31, 2014, 2013 and 2012, we generated \$491.0 million, \$157.2 million and \$104.8 million of cash flow from operations, respectively. As a result of the lingering impact of the economic recession on spending, our significant non-cash charges associated with our 2010 recapitalization, and other factors, we generated net losses for the years ended December 31, 2014, 2013 and 2012 of \$111.5 million, \$111.2 million and \$87.1 million, respectively.

We believe that as we continue to monetize our content across newly developed channels, we will begin to realize even greater sales while incurring lower incremental costs, which will further improve our operating margins. In

addition, as we distribute more of our content in digital formats, our operating margins will benefit from lower development and distribution costs relative to print products. We have embraced this gradual shift to digital through our hybrid offerings of print and digital products that allow for flexibility in the delivery of an education curriculum while allowing us to benefit from better margins as more and more schools make the transition to digital. Because of these factors, we believe our business model is scalable since we should be able to generate future revenue without materially increasing our costs as we

## **Table of Contents**

believe our current infrastructure, warehousing and fulfillment capabilities can support increased sales. Our debt balance of \$243.1 million as of December 31, 2014, current cash and short-term investment position of \$743.3 million as of December 31, 2014 and total available liquidity of \$963.4 million as of December 31, 2014 provide the flexibility to continue to invest in new projects and pursue selective acquisitions.

## **Products and Services**

We are organized along two reportable segments: Education and Trade Publishing. Our primary segment measures are net sales and Adjusted EBITDA. The Education segment is our largest business, representing approximately 88% of our total net sales for each of the years ended December 31, 2014, 2013 and 2012.

### ***Education***

Our Education segment provides educational products, technology platforms and services to meet the diverse needs of today's classrooms. These products and services include print and digital content in the form of textbooks, digital courseware, instructional aids, educational assessment and intervention solutions, which are aimed at improving learning outcomes, professional development and school reform services. With an in-house content development team supplemented by external specialists, we develop programs that can be aligned to state standards and customized for specific state requests. In addition, our Education segment offers a wide range of educational, cognitive and developmental standardized testing products in print and digital online formats, targeting the educational and clinical assessment markets. The principal markets for our Education products are elementary and secondary school systems.

The Education segment includes, in addition to our Houghton Mifflin Harcourt brand, such brands as Heinemann, Riverside, Holt McDougal, Great Source, Rigby, Saxon, Steck-Vaughn, and Math in Focus. These brands offer solutions in reading, language arts, mathematics, intervention, social studies, science and world languages, as well as curriculum resources, professional development services and an array of highly regarded educational, cognitive and developmental assessment products. These brands, collectively, benefit from a market share greater than 40% in our addressable market, which is the portion of the total market in which we sell our products and services, as well as strong relationships with its customers. Most of these relationships have been developed over many years through a service-based approach, which entails a member of our sales force interacting with the customer and providing a product or service tailored to meet the customer's needs.

The Education segment net sales and Adjusted EBITDA were \$1,209.1 million and \$298.5 million, \$1,207.9 million and \$343.2 million and \$1,128.6 million and \$329.7 million, for the years ended December 31, 2014, 2013 and 2012, respectively.

Our Education products consist of the following offerings:

*Comprehensive Curriculum.* The Comprehensive Curriculum group develops comprehensive educational programs intended to provide a complete course of study in a subject, either at a single grade level or across multiple grade levels, and serve as the primary source of classroom instruction. We develop and market Comprehensive Curriculum programs for the pre-K-12 market utilizing the Houghton Mifflin Harcourt brands. This group focuses its publishing portfolio on the subjects that have consistently received the highest priority from educators and educational policy makers, namely reading, literature and language arts, mathematics, science, world languages and social studies. Within each subject, comprehensive learning programs are designed and then marketed with a variety of proprietary products to maximize teaching



effectiveness, including textbooks, workbooks, teachers guides and resources, audio and visual aids and technology-based products.

*Supplemental and Intervention Products.* We develop products targeted at addressing struggling learners through comprehensive intervention solutions, products targeted at assisting English language learners and products providing incremental instruction in a particular subject area. Supplemental Products are used both as alternatives and as supplements to Comprehensive Curriculum programs,

## **Table of Contents**

enabling local educators to tailor their education programs in a cost-effective way that is irrespective of adoption schedules. Included with this group of products are professional books and developmental resources aimed at empowering pre-K-12 teachers, our Benchmark Assessment System, which allows teachers to evaluate students' reading levels three times a year, and our Leveled Literacy Intervention System, which is a supplementary intervention program for children struggling with reading and writing. The author base includes prominent experts in teaching, such as Irene Fountas and Gay Su Pinnell, who support the practice of other teachers through books, videos, workshops and classroom tools. The Supplemental and Intervention Products group generates net sales and earnings that do not vary greatly with the adoption cycle. In addition, the development of supplemental and intervention materials tends to require significantly less capital investment than the development of a Comprehensive Curriculum program.

*Educational Services.* To extend our value proposition beyond curriculum, assessment and technology solutions, we provide consulting services to assist school districts in increasing accountability for improvement and offering professional development training, comprehensive services and school turnaround solutions. We believe our educational services offer integrated solutions that combine the best learning resources available today. These include learning resources that are supported with professional development in classroom assessment, teacher effectiveness and high-impact leadership, which have a measurable and sustainable impact on student achievement.

*Assessment.* Assessment products provide district and state-level solutions focused on clinical, group and formative assessment tools and platform solutions. Clinical solutions provide psychological and special needs testing to assess intellectual, cognitive and behavioral development. Our products include measurement tools and services relating to intellectual ability, academic achievement assessments around cognitive abilities and several diagnostic and assessment tools that assist in identifying the learning needs of students.

*International.* We sell our educational solutions into global education markets predominantly to large English language schools in high growth territories primarily in Asia, the Pacific, the Middle East, Latin America, the Caribbean and Africa. In addition to our sales and business development team, we have a global network of distributors in local markets around the world.

## ***Trade Publishing***

Our Trade Publishing segment, which dates back to 1832, primarily develops, markets and sells consumer books in print and digital formats and licenses book rights to other publishers and electronic businesses in the United States and abroad. The principal markets for Trade Publishing products are retail stores (both physical and online) and wholesalers. Reference materials are also sold to schools, colleges, libraries, office supply distributors and other businesses.

Our Trade Publishing segment offers an extensive library of general interest, young readers and reference works that include well-known characters and brands. Our award-winning general interest titles encompass literary fiction, culinary, and non-fiction in hardcover, e-book and paperback formats, including the Mariner Books paperback line. Among the general interest properties are the popular J.R.R. Tolkien titles and the prolific Best American series. The general interest group also publishes the CliffsNotes series of test prep and study guides, branded field guides, such as the Peterson Field Guides and Taylor's Gardening Guides and extensive culinary works. With the 2012 acquisition of certain culinary and reference assets, we bolstered our catalog and increased our market share in those two niches. In

culinary, our catalog now includes major cookbook brands such as Betty Crocker and Better Homes and Gardens in addition to recent best sellers including the How to Cook Everything series. Our catalog features numerous Nobel and Pulitzer Prize winners and Newbery and Caldecott medal winners, including a 2014 and 2013 Caldecott Honor winner and a 2014 Pulitzer Prize winner. In young readers publishing, a segment in which we demonstrated growth in 2014, our list addresses a broad age group and includes an array of products for the preschool/early learning market, including board books, picture books and workbooks. This list includes recognized characters such as Curious George and *Martha Speaks*, both

## **Table of Contents**

successful television programs featured on PBS, *Five Little Monkeys*, *Gossie & Gertie*, and many more. We also publish novels for young adults, a growing genre which we bolstered with additional editorial talent in 2014. In the reference category, we are the publisher of the American Heritage and Webster's New World dictionaries, and related titles.

Even before e-books gained prominence in the market, we had developed in-house experience in converting, structuring, storing and distributing dictionary and other reference content for digital platforms, and applied our knowledge and tools in the digital space to consumer trade content including e-books and applications. In addition to traditional conversions of print to digital content, we now develop our content digitally in various formats with minimal incremental investment, and we employ in-house programmers and developers to produce new digital content based on our trade products. For example, we have brought the Curious George character to multiple digital platforms with the development of a prominent website, [curiousgeorge.com](http://curiousgeorge.com), which is an award-winning interactive learning tool for pre-school children, and a suite of Curious George apps, which both entertain and educate early learners at home. As such, we have an established and flexible solution for converting, manipulating and distributing trade content to the many emerging digital consumer platforms such as e-readers and tablets. We continue to actively publish into the sizable consumer market for e-books, book or character-based applications and other digital products with net sales from e-books reaching \$24.0 million for the year ended December 31, 2014, and now representing approximately 15% of our Trade Publishing segment net sales for the same period. We continue to focus on the development of innovative new digital products which capitalize on our content, our digital expertise, and the growing consumer demand for these products. In addition, we are increasingly leveraging the strength of our Trade Publishing brands and characters, such as Curious George, together with our expertise in developing educational solutions, to further penetrate the large and growing consumer market for at-home educational products and services.

For the years ended December 31, 2014, 2013 and 2012, Trade Publishing net sales and Adjusted EBITDA were approximately \$163.2 million and \$12.7 million, \$170.7 million and \$24.4 million, and \$157.1 million and \$28.8 million, respectively.

## **Our Industry**

### ***K-12 comprehensive curriculum or basal market***

The U.S. K-12 comprehensive curriculum or basal market provides educational programs and assessments to approximately 55.0 million students across approximately 132,000 elementary and secondary schools. Basal programs cover curriculum standards in a particular subject and include a comprehensive offering of teacher and student materials required to conduct the class throughout the year. Products and services in basal programs include students print and digital offerings and a variety of supporting materials such as teacher's editions, formative assessments, whole group instruction materials, practice aids, educational games and services.

Comprehensive curriculum programs are the primary source of classroom education for most K-12 academic subjects, and as a result, enrollment trends are a major driver of industry growth. Although economic cycles may affect short-term buying patterns, school enrollments, a driver of growth in the educational publishing industry, are highly predictable and are expected to trend upward over the longer term.

In addition, the market for comprehensive curriculum programs is affected by changes in state curriculum standards, which drive instruction, assessment, and accountability in each state. A significant change in state curriculum standards requires that assessments, teacher training programs, and instructional materials be revised or replaced to align to the new standards, which historically has driven demand for new comprehensive curriculum programs.

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The majority of states are in the process of implementing or transitioning to new curriculum standards in the two most important subject areas, mathematics and English language arts. For the most part, these new standards are based on the Common Core State Standards, the product of a multi-state effort to establish a single set of

## **Table of Contents**

content standards in mathematics and English language arts for grades K-12. Forty-six states and the District of Columbia have adopted the Common Core State Standards or curriculum standards based on them. Most of these states are administering new student assessments aligned to the new standards, including tests developed by two multistate testing consortia, the Smarter Balanced Assessment Consortium and the Partnership for Assessment of Readiness for College and Careers, beginning in the 2014-15 school year. Schools in these states will need to augment and replace instructional materials, including comprehensive curriculum programs, to align to the new standards and to prepare students for the new state assessments.

### ***Instructional material adoption process***

The process through which materials and curricula are selected and procured for classroom use varies throughout the United States. Twenty states, known as adoption states, approve and procure new basal programs usually every six to eight years on a state-wide basis, and individual schools or school districts typically purchase instructional materials from the state approved list, although in some adoption states districts may be permitted to select materials not on the state list. In all remaining states, known as open states or open territories, each individual school or school district can procure materials at any time, though usually according to a five to ten year cycle. In adoption states, the states approve curriculum and often provide dedicated funding for educational and instructional materials, while in open states, local school districts approve curriculum and provide funding.

The following chart illustrates the current adoption and open states:

The student population in adoption states represents over 50% of the U.S. elementary and secondary school-age population. A number of adoption states provide categorical state funding for instructional materials, that is, funds that typically cannot be used for any purpose other than to purchase instructional content or, in some cases, technology equipment used to deliver instruction. In some states, categorical instructional materials funds can be used only for the purchase of materials on the state-approved list.

In adoption states, the state education board's decision to approve a certain program developed by an educational content provider depends on recommendations from instructional materials committees, which are often comprised of educators and curriculum specialists. Such committees typically recommend a program only if it aligns to the state's educational content standards. To ensure the approval and subsequent success of a new instructional materials program, educational content providers typically conduct extensive market research, including: discussions of the planned curriculum with the state-level curriculum advisors to secure their support; development of prototype instructional materials that are focus-tested with educators, often against competing programs, to gather feedback on the program's content and design; and incorporation of qualitative input from existing customers in terms of classroom needs.

In open territories, the procurement process is typically characterized by a presentation and provision of sample materials to instructional materials selection committees, which subsequently evaluate and recommend a particular program to district level school boards. Products are generally customized to meet the states' curriculum standards with similar research methods as in adoption states.

## **Table of Contents**

We believe that a content provider's ultimate success in a given state will depend on a variety of factors, including the quality of its programs and materials, the strength of its relationships with key decision-makers and the magnitude of its marketing and sales efforts. As a result, educational content providers often implement formal market research efforts that include educator focus groups, prototypes of student and ancillary materials and comparisons against competing products. At the same time, marketing and editorial staffs work closely together to incorporate the results of research into products, while developing the most up-to-date, research- and needs-based curricula.

### ***Supplemental and Intervention materials market***

The supplemental and intervention materials market includes a wide range of product offerings targeted at addressing specific needs in a district generally not addressed through a comprehensive curriculum solution. These products are typically offered in the form of print, digital, service and blended product solutions. The development of supplemental materials and solutions tends to require significantly less capital investment than the development of a basal program. These materials and solutions enable local educators to tailor their education programs in a cost-effective way that is not tied to adoption schedules.

Supplemental products and services are funded through state and local resources as well as government funding allocations as designated through Title I of the Elementary and Secondary Education Act ( ESEA ) and the Individuals with Disabilities Education Act ( IDEA ). Title I distributes funding to those schools and school districts which are comprised of a relatively high percentage of students from low income families as defined by the ESEA. In addition, Title I appropriates money for the education system for the prevention of dropouts and the improvement of schools. IDEA governs how states and public agencies provide early intervention, special education and related services to children with disabilities. In recent years, the supplemental materials that schools have purchased have changed as the demands and expectations for educators and students have changed. Educational institutions have increasingly purchased digital solutions along with traditional supplemental materials and, with the growing emphasis on accountability, demand for targeted intervention solutions, school reform and turnaround services has been on the rise.

### ***Assessment market***

The assessment market includes summative, formative or in-classroom, and diagnostic assessments. Summative assessments are concluding or final exams that measure students' proficiency in a particular subject or group of subjects on an aggregate level or against state standards. Formative assessments are on-going, in-classroom tests that occur throughout the school year and monitor progress in certain subjects or curriculum units. Diagnostic assessments are designed to pinpoint areas of need and are often administered by specialists to identify learning difficulties and qualify individuals for special services under the requirements of IDEA.

Many states and districts are also utilizing teacher evaluation systems that measure teacher performance based on standardized test scores and other elements required to meet certain benchmarks set by policymakers. Certain federal agencies are shifting the focus to children at even younger ages to provide intervention before significant achievement gaps are realized. As a result, this has led to additional opportunities in the early childhood development market.

Many states are implementing new statewide student assessment programs in the 2014-15 school year, including those promulgated by the Smarter Balanced Assessment Consortium and the Partnership Assessment of Readiness for College and Careers. Presently, 21 states are participating in the Smarter Balanced Assessment Consortium, while 12 states and the District of Columbia are participating in the Partnership Assessment of Readiness for College and Careers.

As states plan for the upcoming new assessments, and districts continue to transition to new standards based on the Common Core State Standards, demand for quality measures which help the districts prepare for the content coverage and item types anticipated on the new assessments should continue to increase.



## **Table of Contents**

### ***International market***

The global education market continues to demonstrate strong macroeconomic growth characteristics. There are 1.4 billion students out of a 7.2 billion world population. Population growth is a leading indicator for pre-primary school enrollments, which have a subsequent impact on secondary and higher education enrollments. Globally, according to United Nations Educational, Scientific and Cultural Organization ( UNESCO ), rapid population growth has caused pre-primary enrollments to grow by 16.2% worldwide from 2007 to 2011. Additionally, the global population is expected to be approximately 9.0 billion by 2050, as countries develop and improvements in medical conditions increase the birth rate.

Internationally, we predominantly export and sell K-12 books to premium private schools that utilize the U.S. curriculum, which are located primarily in Asia, the Pacific, the Middle East, Latin America, the Caribbean and Africa. Our international sales team utilizes a global network of distributors in local markets around the world. According to the Book Industry Study Group and the Association of American Publishers, the size of the K-12 U.S. export market is estimated at \$100 million, of which we have a growing market share.

Our immediate strategy is to expand our addressable market through working with local distributors to localize our K-12 content for sale into public and private schools in targeted international markets and to sell digitized content through key distributors into global school and consumer markets.

### ***Trade Publishing market***

The Trade Publishing market includes works of fiction and non-fiction in the General Interest and Young Reader s categories, dictionaries and other reference works. While print remains the primary format in which trade books are produced and distributed, the market for trade titles in digital format, primarily e-books, has developed rapidly over the past several years, as the industry evolves to embrace new technologies for developing, producing, marketing and distributing trade works.

### **Seasonality**

In the K-12 market, we typically receive payments for products and services from individual school districts, and, to a lesser extent, individual schools and states. In the case of testing and assessment products and services, payment is received from the individually contracted parties. In the Trade Publishing market, payment is received for products from book distributors and retail booksellers.

Approximately 88% of our net sales for the year ended December 31, 2014 were derived from our Education segment, which is a markedly seasonal business. Schools conduct the majority of their purchases in the second and third quarters of the calendar year in preparation for the beginning of the school year. Thus, over the past three years, approximately 67% of consolidated net sales were realized in the second and third quarters. Sales of K-12 instructional materials and customized testing products are also cyclical, with some years offering more sales opportunities than others. The amount of funding available at the state level for educational materials also has a significant effect on year-to-year net sales.

### **Competition**

We sell our products in competitive markets. In these markets, product quality, customer service and perceived stability and longevity are major factors in generating sales growth. Other factors affecting sales growth in the K-12 market include the level of student enrollment in subjects that are up for adoption and the level of spending per

student appropriated in each state and/or school district. Profitability is affected by industry developments including: (i) competitive selling, sampling and gratis costs; (ii) development costs for customized instructional materials and assessment programs; and (iii) higher technology costs due to the increased number of textbook program components being developed in digital formats. There are three primary traditional comprehensive curriculum publishers in the K-12 market, which also compete with a variety of specialized or

## **Table of Contents**

regional publishers that focus on select disciplines and/or geographic regions. There are multiple competitors in the Trade Publishing, supplemental and assessment markets. Our larger competitors in the educational market include Pearson Education, Inc., McGraw Hill Education, Cengage Learning, Inc., Scholastic Corporation and K12 Inc.

### **Printing and binding; raw materials**

We outsource the printing and binding of our products, with approximately 75% of our printing currently handled by one major supplier and one print services broker who negotiates on our behalf with an extended supplier base. We have procurement agreements that provide volume and scheduling flexibility and price predictability. We have a longstanding relationship with these parties. Approximately 20% of our printed materials (consisting primarily of teacher's editions and other ancillary components) are printed outside of the United States and approximately 80% of our printed materials (including most student editions) are printed within the United States. Paper is one of our principal raw materials. We purchase our paper primarily through one paper merchant and also directly through suppliers for limited product types. We maintain various agreements that protect against supply availability and unbound price increases. We manage our paper supply concentration by having primary and secondary sources and staying ahead of dramatic market changes.

### **Distribution**

We operate three distribution facilities from which we coordinate our own distribution process: one each in Indianapolis, Indiana; Geneva, Illinois; and Troy, Missouri. We also utilize select suppliers to assist us with coordinating the distribution process for a limited number of product types. Additionally, some adoption states require us to use in-state textbook depositories for educational materials sold in that particular state. We utilize delivery firms including United Parcel Service Inc., FedEx Freight, CH Robinson Worldwide Inc., YRC Freight, SAIA and USF Holland, Inc. to facilitate the principally ground transportation of products.

### **Employees**

As of December 31, 2014, we had approximately 3,300 employees, none of which were covered by collective bargaining agreements. These employees are substantially located in the United States with approximately 230 employees located outside of the United States. We believe that relations with employees are generally good.

### **Intellectual property**

Our principal intellectual property assets consist of our trademarks and copyrights in our content. Substantially all of our publications are protected by copyright, whether registered or unregistered, either in our name as the author of a work made for hire or the assignee of copyright, or in the name of an author who has licensed us to publish the work. Ownership of such copyrights secures the exclusive right to publish the work in the United States and in many countries abroad for specified periods: in the United States in most cases either 95 years from publication or for the author's life plus 70 years, but in any event a minimum of 28 years for works published prior to 1978 and 35 years for works published thereafter. In most cases, the authors who retain ownership of their copyright have licensed to us exclusive rights for the full term of copyright. Under U.S. copyright law, for licenses granted by an author during or after 1978, such exclusive licenses are subject to termination by the author or certain of the author's heirs for a five year period beginning at the end of 35 years after the date of publication of the work or 40 years after the date of the license grant, whichever term ends earlier.

We do not own any material patents, franchises or concessions, but we have registered certain trademarks and service marks in connection with our publishing businesses. We believe we have taken, and take in the ordinary course of

business, all appropriate available legal steps to reasonably protect our intellectual property in all material jurisdictions.

**Table of Contents**

**Environmental matters**

We generally contract with independent printers and binders for their services, and our operations are generally not otherwise affected by environmental laws and regulations. However, as the owner and lessee of real property, we are subject to environmental laws and regulations, including those relating to the discharge of hazardous materials into the environment, the remediation of contaminated sites and the handling and disposal of wastes. It is possible that we could face liability, regardless of fault, and can be held jointly or severally liable, if contamination were to be discovered on the properties that we own or lease or on properties that we have formerly owned or leased. We are currently unaware of any material environmental liabilities or other material environmental issues relating to our properties or operations and anticipate no material expenditures for compliance with environmental laws or regulations.

**Additional information**

Houghton Mifflin Harcourt Company was incorporated as a Delaware corporation on March 5, 2010, and was established as the holding company of the current operating group. The Company changed its name from HMH Holdings (Delaware), Inc. on October 22, 2013. We make available our annual reports on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K and amendments to these reports, as well as other information, free of charge through our corporate website under the [Corporate Governance](#) link located at: [ir.hmhco.com](http://ir.hmhco.com), as soon as reasonably practicable after being filed with or furnished to the Securities and Exchange Commission (the [SEC](#)). The information found on our website or any other website we refer to in this Annual Report is not part of this Annual Report or any other report we file with or furnish to the SEC.

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**Table of Contents****Item 1A. Risk Factors**

*Our business and results of operations may be adversely affected by many factors outside of our control, including changes in federal, state and local education funding, general economic conditions and/or changes in the state procurement process.*

The performance and growth of our U.S. educational comprehensive curriculum, supplemental and assessment businesses depend in part on federal and state education funding, which in turn is dependent on the robustness of state finances and the level of funding allocated to educational programs. State, local and municipal finances were and continue to be adversely affected by the recent U.S. economic recession and are affected by general economic conditions and factors outside of our control, as well as increasing costs and financial liabilities of under-funded public pension plans. In response to general economic conditions or budget shortfalls, states and districts may reduce educational spending to protect against existing or expected economic conditions or seek cost savings to mitigate budget deficits. Most public school districts, the primary customers for K-12 products and services, depend largely on state and local funding to purchase materials. In school districts in states that primarily rely on local tax proceeds, significant reductions in those proceeds for any reason can severely restrict district purchases of instructional materials. In districts and states that primarily rely on state funding for instructional materials, a reduction in state funds or loosening of restrictions on the use of those funds may reduce net sales. Additionally, many school districts receive substantial amounts through Federal education programs, funding for which may be reduced as a result of Congressional budget actions.

Federal and/or state legislative changes can also affect the funding available for educational expenditure, which include the impact of education reform, such as the reauthorization of the Elementary and Secondary Education Act ( ESEA ) and the implementation of Common Core State Standards. Existing programs and funding streams could be changed or eliminated in connection with legislation to reauthorize the ESEA and/or the federal appropriations process, in ways that could negatively affect demand and sources of funding for our products and services. Our business, results of operations and financial condition may be materially adversely affected by many factors outside of our control, including, but not limited to, delays in the timing of adoptions, changes in curricula and changes in student testing processes. There can be no assurances that states or districts will have sufficient funding to purchase our products and services, that we will win their business in our competitive marketplace or that schools or districts that have historically purchased our products and services will do so again in the future.

There is considerable political controversy in many states surrounding the adoption and implementation of Common Core State Standards. Legislation has been introduced in a number of states to drop Common Core standards, and some states are considering revisions to and/or rebranding of the standards. These developments could disrupt local adoptions of instructional materials and require modifications to our programs offered for sale in states that adopt such changes.

Similarly, changes in the state procurement process for textbooks, supplemental materials and student tests, particularly in adoption states, can also affect our markets and sales. A significant portion of our net sales is derived from sales of K-12 instructional materials pursuant to cyclical adoption schedules. Due to the revolving and staggered nature of state adoption schedules, sales of K-12 instructional materials have traditionally been cyclical, with some years offering more sales opportunities than others. In addition, changes in curricula and changes in the student testing processes can negatively affect our programs and therefore the size of our market in any given year.

For example, over the next few years, adoptions are scheduled in one or more of the primary subjects of reading, language arts and literature, social studies and mathematics in, among others, the states of California, Texas and Florida, the three largest adoption states. The inability to succeed in these states, or reductions in their anticipated

funding levels, could materially and adversely affect net sales for the year of adoption and subsequent years. Allowing districts flexibility to use state funds previously dedicated exclusively to the purchase of

## **Table of Contents**

instructional materials and other items such as technology hardware and training could adversely affect district expenditures on state-adopted instructional materials in the future.

Decreases in federal and state education funding and negative trends or changes in general economic conditions can have a material adverse effect on our business, results of operations and financial condition.

### ***Introduction of new products, services or technologies could impact our profitability.***

We operate in highly competitive markets that continue to change to adapt to customer needs. In order to maintain a competitive position, we must continue to invest in new content and new ways to deliver our products and services. These investments may not be profitable or may be less profitable than what we have experienced historically. In particular, in the context of our current focus on key digital opportunities, including e-books, the market is evolving and we may be unsuccessful in establishing ourselves as a significant competitor. New distribution channels, such as digital platforms, the internet, online retailers and delivery platforms (e.g., tablets and e-readers), present both threats and opportunities to our traditional publishing models, potentially impacting both sales volumes and pricing.

### ***Our operating results fluctuate on a seasonal and quarterly basis and our business is dependent on our results of operations for the third quarter.***

Our business is seasonal. For the year ended December 31, 2014, we derived approximately 88% of net sales from our Education Segment. For sales of educational products, purchases typically are made primarily in the second and third quarters of the calendar year, in preparation for the beginning of the school year, though testing net sales are primarily generated in the second and fourth quarters. We typically realize a significant portion of net sales during the third quarter, making third-quarter results material to full-year performance. This sales seasonality affects operating cash flow from quarter to quarter. We normally incur a net cash deficit from all of our activities through the middle of the third quarter of the year. In addition, changes in our customers' ordering patterns may impact the comparison of results in a quarter with the same quarter of the previous year, in a quarter with the consecutive quarter or a fiscal year with the prior fiscal year.

### ***Agreements with Resellers.***

We have entered into agreements with resellers from time to time pertaining to certain defined products and channels. These agreements have been both exclusive and non-exclusive and have pertained to specific products as well as specific channels. Depending on the timing of when orders with resellers occur, an individual transaction with a reseller could potentially be material to the quarter or year in which it occurs. Furthermore, there is no assurance that future orders from resellers will occur within similar timeframes as past orders or be of similar magnitude. Some of our agreements have performance metrics which allow for one or both parties to terminate the agreement. If such termination were to occur, our sales could be materially impacted.

Receivables to our two largest resellers comprised approximately 17.0% of our December 31, 2014 accounts receivable balance. If such resellers are unable to remit contractual payments when due or at all, our financial results and cash position for the quarter and year could be materially impacted.

### ***Our business is and will continue to be impacted by the rate of and state of technological change, including the digital evolution and other disruptive technologies, and the presence and development of open-sourced content could continue to increase, which could adversely affect our net sales.***



Our industry has been impacted by the digitalization of content and proliferation of distribution channels, either over the internet, or via other electronic means, replacing traditional print formats. The digital migration brings the need for change in product distribution, consumers' perception of value and the publisher's position between retailers and authors. Such digitalization increases competitive threats both from large media players and

## **Table of Contents**

from smaller businesses, online and mobile portals. If we are unable to continue to adapt and transition to the move to digitalization at the rate of our competitors, our ability to effectively compete in the marketplace will be affected.

In recent years, there have been initiatives by non-profit organizations such as the Gates Foundation and the Hewlett Foundation to develop educational content that can be open sourced and made available to educational institutions for free or nominal cost. To the extent that such open sourced content is developed and made available to educational customers and is competitive with our instructional materials, our sales opportunities and net sales could be adversely affected.

Technological changes and the availability of free or relatively inexpensive information and materials may also affect changes in consumer behavior and expectations. Public and private sources of free or relatively inexpensive information and lower pricing for digital products may reduce demand and impact the prices we can charge for our products and services. To the extent that technological changes and the availability of free or relatively inexpensive information and materials limit the prices we can charge or demand for our products and services, our business, financial position and results of operations may be materially adversely affected.

***Changes in product distribution channels and/or customer bankruptcy may restrict our ability to grow and affect our profitability in our Trade Publishing segment.***

New distribution channels such as digital formats, the internet, online retailers, growing delivery platforms (e.g., tablets and e-readers), combined with the concentration of retailer power, pose threats and provide opportunities to our traditional consumer publishing models in our Trade Publishing segment, potentially impacting both sales volumes and pricing. The economic slowdown combined with the trend in distribution channels toward the use of e-books has created contraction in the consumer books retail market that has increased the risk of bankruptcy of major retail customers. Additional bankruptcies of traditional bricks and mortar retailers of Trade Publishing could negatively affect our business, financial condition and results of operations.

***Expansion of our investments and business outside of our traditional core U.S. market may result in lower than expected returns and incremental risks.***

To take advantage of international growth opportunities and to reduce our reliance on our core U.S. market, we are increasing our investments in a number of countries and emerging markets, including Asia and the Middle East, some of which are inherently more risky than our investments in the U.S. market. Political, economic, currency, reputational and corporate governance risks, including fraud, as well as unmanaged expansion, are all factors which could limit our returns on investments made in these markets. For example, political instability in the Middle East has caused uncertainty in the region, which could affect our results of operations in the region. Also, certain international customers require longer payment terms, increasing our credit risk. As we expand internationally, these risks will become more pertinent to us and could have a bigger impact on our business.

***We operate in a highly competitive environment that is subject to rapid change and we must continue to invest and adapt to remain competitive.***

Our businesses operate in highly competitive markets, with significant established competitors, such as Pearson Education, Inc., McGraw Hill Education, Cengage Learning, Inc., Scholastic Corporation, K12 Inc. and John Wiley & Sons, Inc. These markets continue to change in response to technological innovations and other factors. Profitability is affected by developments in our markets beyond our control, including: changing U.S. federal and state standards for educational materials; rising development costs due to customers requirements for more customized instructional materials and assessment programs; changes in prevailing educational and testing methods and philosophies; higher

technology costs due to the trend toward delivering more educational content in both traditional print and electronic formats; market acceptance of new technology products, including online or computer-based testing; an increase in the amount of materials given away in the K-12 markets as part of a

## **Table of Contents**

bundled pack; the impact of the expected increase in turnover of K-12 teachers and instructors on the market acceptance of our products; customer consolidation in the retail and wholesale trade book market and the increased dependence on fewer but stronger customers; rising advances for popular authors and market pressures to maintain competitive retail pricing; a material increase in product returns or in certain costs such as paper; and overall uncertain economic issues that affect all markets.

We cannot predict with certainty the changes that may occur and the effect of those changes on the competitiveness of our businesses, and the acceleration of any of these developments may materially and adversely affect our profitability.

The means of delivering our products may be subject to rapid technological change. Although we have undertaken several initiatives and invested significant amounts of capital to adapt to and benefit from these changes, we cannot predict whether technological innovations will, in the future, make some of our products, particularly those printed in traditional formats, wholly or partially obsolete. If this were to occur, we might be required to invest significant resources to further adapt to the changing competitive environment. In addition, we cannot predict whether end customers will have sufficient funding to purchase the equipment needed to use our new technology products.

In order to maintain a competitive position, we must continue to invest in new offerings and new ways to deliver our products and services. These investments may not be profitable or may be less profitable than what we have experienced historically. We could experience threats to our existing businesses from the rise of new competitors due to the rapidly changing environment within which we operate.

### ***There is a risk that technology companies may offer educational materials that compete with our products.***

While our educational content is protected by copyright law, there is nothing to prevent technology companies from developing their own educational digital products and offering educational content to schools. Technology companies are free to distribute materials with and on their technology devices and platforms. Many technology companies have substantial resources that they could devote to expand their business, including the development of educational digital products. Furthermore, while we have entered into digital distribution agreements with a number of technology companies, our agreements are non-exclusive arrangements and there is nothing to prevent such technology companies from developing and distributing other educational content to the K-12 market. There is a risk that a technology company with significant resources could license or acquire their own educational content and compete with us, which could negatively affect our business, financial condition and results of operations.

There is also a risk of further disintermediation, which is the occurrence of state, district and other customers contracting directly with technology companies. As a result, there is a risk that technology companies may own direct relationships with our customers, and accordingly, they may have a significant influence over the pricing and distribution strategies for digital and print education materials.

### ***Our history of operations includes periods of operating and net losses, and we may incur operating and net losses in the future. Our significant net losses and our significant amount of indebtedness led us to declare bankruptcy in 2012.***

For the years ended December 31, 2014, 2013 and 2012, we generated operating losses of \$85.4 million, \$86.6 million and \$120.7 million, respectively, and net losses of \$111.5 million, \$111.2 million, and \$87.1 million, respectively. See Management's Discussion and Analysis of Financial Condition and Results of Operations Results of Operations and the consolidated financial statements included elsewhere in this Annual Report for more information regarding our results of operations during these periods. If we continue to suffer operating and net losses, the trading price of our

common stock may decline significantly.

**Table of Contents**

Our net losses in recent years were impacted from general economic conditions, reductions in significant markets, federal, state and local budget shortfalls and the contraction of spending throughout most states, non-cash charges associated with our 2010 recapitalization, among other things. In addition, we had a significant amount of indebtedness prior to May 2012. During May 2012, as a result of our financial position, results of operations and significant amount of indebtedness, we filed a voluntary petition for bankruptcy under Chapter 11 of the United States Bankruptcy Code. On June 22, 2012, we emerged from bankruptcy p