



Knology®

2021

Annual Report

© 2022 Knology Ltd

Recommended Citation Knology. (2022). *2021 Annual Report*. Knology.

Date of Publication September 19, 2022

Cover Photo Edward Howell on Unsplash

Knology[®] practical social science for a better world

tel: (347) 766-3399
40 Exchange Pl. Suite 1403
New York, NY 10005

tel: (442) 222-8814
3630 Ocean Ranch Blvd.
Oceanside, CA 92056



Welcome

We entered 2021 with a great deal of hope, as COVID-19 vaccines promised a path out of a pandemic that had crippled the economy and produced untold suffering, death, and devastation. Unfortunately, 2021 did not work out as planned. Yet despite the ongoing pandemic, Knology maintained our operations and succeeded in supporting partners and the public with research that advances Knology's mission: practical social science for a better world.

Since Knology's founding, we have committed ourselves to engaging in large scale, multi-dimensional research projects that are embedded in practice. 2021 was no exception. Whether it be through continued relationships with long-term partners (such as PBS NewsHour, the Association of Children's Museums, the American Library Association, and the Association of Zoos and Aquariums) or through solidifying newer partnerships with organizations like the National Endowment for Financial Education and Empatico, during the past 12 months, Knology has worked on a wide variety of thought-provoking, practical projects. Some of our standouts for 2021 include "A New History of Investment in Financial Education" and our contributions to PBS NewsHour's "Searching for Justice" series—both of which are discussed below. Moreover, in light of the continued threat posed by COVID-19, throughout 2021, Knology continued to devote attention to this ongoing public health crisis, expanding research on such issues as media coverage of the pandemic, the complexities of testing and case-tracking, and COVID-19's impact on children's museums.

Despite the challenges of the last two years, Knology continues to look towards the future. At our final board meeting of 2021, our Growth Committee presented an expanded vision of how Knology can provide more value to even more partners and collaborators. Our board has since begun assessing Knology's value proposition based on past successes and emerging opportunities. As we look toward 2022, Knology will be investing in growing our publishing enterprise, building out formalized training and capacity building programs, expanding its fundraising opportunities, and working to help companies meet their environmental, social, and governance commitments.

2021 has certainly provided a host of challenges to our local and global communities. Knology is proud to work with our partners to promote social scientific solutions.



Adam J. Wasserman, J.D.
Chair



John Fraser, Ph.D. AIA
President & CEO



Joanna Laursen Brucker, Ed.M.
Chief Operating Officer



Table of Contents

Welcome	i
Critical Thinking	1
Inform & Shape Action	2
Embody DEAI	3
Strengthen Alliances	4
Refine Our Model	5
Financial Stability	6
2021 Knology Team	9
2021 Publications	10



Critical Thinking

Use diverse perspectives to challenge the status quo and navigate the great social issues of our time.

Knology takes a transdisciplinary approach to tackling today's complex problems, drawing on perspectives from myriad academic disciplines and using them to craft smart, evidence-based solutions. In 2021, we applied our critical thinking skills to a number of urgent social issues. Three of our highlights from 2021 include:

Promoting Cultures of STEM Learning

2021 marked the fourth year of our work on the "Discover SCIENCE with Dr. Bear" project. Initiated by the Children's National Medical Center with support from the National Institutes of Health, Discover SCIENCE builds up children's scientific reasoning skills through hands-on, art-focused teaching on topics such as asthma, obesity, stress, genetic diseases, and COVID-19. Our analysis showed that the project is stimulating critical thinking about the impact of individual behaviors, social structures, and the broader environment on health outcomes.

<https://knology.org/article/promoting-a-culture-of-stem-and-health-learning-through-public-libraries>

Stats Sweep: Change over Time

As part of the NSF-funded "Meaningful Math" project Knology is jointly pursuing with PBS NewsHour, we published the results of an investigation into media reporting on crime polls. Based on an analysis of graphics featured during a CNN "Cuomo Prime Time" broadcast, our research showed journalists and media organizations how to more effectively visualize data.

<https://knology.org/article/stats-sweep-change-over-time/>

Going Beyond Attitudes in Antiracism Programs

In recent years, a growing number of organizations have launched initiatives designed to foster diversity, equity, accessibility, and inclusion (DEAI). The goal of these initiatives is often to get people to recognize and overcome their implicit biases, the assumption being that personal behavioral change can help reduce rates of racial and ethnic discrimination.

Though certainly true, our research showed that antiracism programs focusing solely on individual beliefs and attitudes are unlikely to be successful, as they neglect the cultural and institutional factors that reinforce implicit bias. If organizations want to build compassion across lines of race and ethnicity, they will need to think critically about the environmental dimensions of DEAI.

<https://knology.org/article/going-beyond-attitudes-in-antiracism-programs>



Inform & Shape Action

Equip leaders with social science research for evidence-based decisions and meaningful action.

Our focus on practical social science translates into actionable reports and advice to help government, business, non-profits, and philanthropy increase the efficacy of their work. In 2021, as the world oscillated between imagining a return to work and accepting a new normal with limited public contact, we published a series of open-access reports to aid with policy decisions and public understanding of the cultural vectors for information in society. We are also committed to research transparency through our archives, the National Science Digital Library, and other public databases. This year, our work helped shape science learning, news media, and libraries. Three highlights included:

Open Access Data on Financial Education Investments across the U.S.

In February 2021, Knology released an open-access database detailing two-decades of state-level spending on financial education. This new dataset, which we were able to make because of support from the National Endowment for Financial Education, will help decision makers more efficiently conduct research into all aspects of financial education and well-being. By creating links, connections, and alignments between existing open data sources, this resource furthers our commitment to making public data useful.

<https://knology.org/article/a-new-history-of-investment-in-financial-education-across-the-united-states>

1, 2, 3, SDG at the UN

In Spring 2021, Knology led a global webinar for the Psychology Coalition at the United Nations. As we demonstrated, ensuring food security during times of medical crisis is essential to meeting the UN's Sustainable Development Goals. Doing so will require the UN to treat food insecurity not simply as a temporary problem resulting from injury or illness, but as a product of poverty and other chronic challenges. During the webinar, we highlighted the work of our partners at Solid' Africa. For more on them, see:

<https://www.youtube.com/watch?v=gci140PluJ0>

Scale & Policy: How News Shapes Your Views on COVID-19

We closed 2021 with a report on how the media influences public understandings of social issues. Based on an analysis of a *New York Daily News* story entitled "Omicron Hits City," we showed how visuals and text can work together to subtly encourage audiences to associate COVID-19 with violence, national security threats, and racialized understandings of disease.

<https://knology.org/article/scale-and-policy-how-news-shapes-your-views-on-covid-19/>



Embody DEAI

Strive to integrate principles and practices of diversity, equity, access, and inclusion.

Throughout 2021, we steadily extended our commitment to integrating DEAI into all aspects of our work—whether it be helping partners make their research more accessible, implementing new methods to increase participation in data collection and analysis, or encouraging research on topics such as neurodiversity and socially marginalized groups. In 2021, we also worked with an external advisor to craft new policies that will help us keep Knology's workplace safe, inclusive, equitable, and accessible. For more on this, please see <https://knology.org/about/diversity-equity-access-inclusion/>

Perspectives from Emerging Museum Professionals

The STEM fields can play a big role in solving the pressing social problems (poverty, climate change, racism, addiction, incarceration, and more) of the 21st century. So as to understand how museums have worked at the intersection of social issues and STEM, in 2021, we conducted a review of emerging work on this topic. Focusing particularly on research published by minority scholars, we identified several ways that museum professionals can more effectively engage with today's most important social issues.

<https://stemforall2021.videohall.com/presentations/2021/>

News Reporting on Re-Entry after Incarceration

For the millions of people who have been incarcerated in the US, re-entering society is a challenging process. To understand this better, we studied local news stories about re-entry after incarceration. Through our research, which was part of the PBS NewsHour's "Searching for Justice" project, we uncovered a significant gap between what the media says about post-carcer life and the actual lived experiences of formerly incarcerated people.

<https://knology.org/article/searching-for-justice-news-media-coverage-of-re-entry/>

Transforming Media Portrayals of Environmental Leaders

For Earth Day in 2021, we examined the media's portrayal of environmental justice leaders. As our research demonstrated, although the environmental movement is perhaps now more ethnically and racially diverse than at any point in its history, media coverage of the movement suggests that its leadership consists mostly of well-educated White people. Correcting this erroneous representation of environmental change agents will help all segments of the population identify with the movement, and thus lead to greater engagement with environmental justice concerns.

<https://knology.org/article/transforming-the-portrayal-of-environmental-leaders-and-change-agents/>



Strengthen Alliances

Invest in people and organizations working toward a common good.

At Knology, we promote alliances because solving complex social issues is an “all-of-society” effort. As a result, we do not measure our impact simply by counting up the number of projects we are involved in. We measure this based on the quality of change achieved by our partners. For us, helping organizations more effectively and efficiently advance social well-being and the public good means looking at how to link projects across time. It also means working to bring data from multiple initiatives into each and every question we explore. By doing this, we bring our partners together into a community—one that is synergistic, united, and strong.

Sharing Power: Aquariums & Community Groups Advancing STEM Literacies in Climate-Threatened Areas

Our study of partnership-building between aquariums and community organizations demonstrated a number of concrete ways to build equitable collaborations between different types of nonprofits. These techniques can be used in any type of collaboration between organizations that serve the public.

<https://knology.org/article/sharing-power-aquariums-and-community-groups-advancing-stem-literacies-in-climate/>

Spotlights

In past years, our website and annual report focused on our primary research. But as our followers have grown, we have realized that in order to fulfill our vision of true collaboration, we need to also report on the successes of our partners—such as Terrence Coffie, the founder of Educate, Don't Incarcerate (EDI). A non-profit that seeks to effect policy change, EDI brings together formerly incarcerated people, amplifying their voices and stories as Credible Messengers through a national campaign. By highlighting organizations that partner with us to understand how to improve vectors for social change, we are using our platforms to ensure that all voices are raised, not only our own.

<https://knology.org/article/spotlight-on-terrence-coffie-educate-don-t-incarcerate/>



Refine Our Model

Cultivate our collaborative philosophy to make our model resilient and replicable.

After a decade of operations, in 2021, our Board of Trustees charged our Growth Committee with the task of examining our successes and exploring opportunities for increasing the scale and impact of our work. The result is a new growth plan that explores new trajectories for the organization.

We focused our first decade on applied research through our six research areas and on work undertaken through commissions or grant funding. In 2021, we recognized that our training, capacity building efforts, and publishing were starting to demonstrate new, independent areas for impact, leading to a new focus for our Growth Plan in coming years. Some of these areas of focus include:

Learning Workshops with Knology

In 2021, Knology launched a formal program for on-demand training sessions to provide professionals with critical skills and resources. Highlights included a speakers' bureau and a series of workshops. Taken together, these efforts helped organizations better understand social science theories and principles, and more effectively design surveys and develop logic models.

<https://knology.org/article/learning-workshops-with-knology>

ACM Trends

We entered our fifth volume year of co-publishing the *ACM Trends Report* series with the Association of Children's Museums. In this volume year, we transitioned into an editorial role, convening meetings and collaborating with external researchers to broaden the journal's content. The series was conceived as a data-rich reporting program that provides benchmarking data to aid in museum operations and management decisions. For an overview of the entire *ACM Trends Report* series, see: <https://knology.org/article/acm-trends-data-driven-outcomes-for-children-s-museums>

Books by Knology Staff

We were pleased to create a dedicated space on the Knology website highlighting books written or edited by our staff. In 2021, John Fraser and co-author Tawnya Switzer published a new book with Cambridge University Press entitled *The Social Value of Zoos*, and we anticipate that our partnership with the global publisher Springer Nature of Cham (Switzerland) will result in a wave of new publications. We also finalized our agreement and delivered the first installment in the Springer/Knology, *Psychology and Our Planet* book series.

<https://knology.org/article/books-by-knology>



Financial Stability

Knology had a very stable 2021. With contract revenue holding steady throughout the year, and fewer COVID interruptions in project work, we closed the year in good financial standing. Early in the year, the PPP loan we received was forgiven, further adding to our financial stability. We would also like to thank 40 X Owner LLC for the kind donation of office space during early 2021, when we were unable to make use of our offices due to COVID restrictions.

Condon, O'Meara, McGinty & Donnelly LLP performed our 2021 audit and issued an unmodified opinion. We summarize our financial standing on the following pages. The full audit is available on request.

Statement of Financial Position

Assets

	2021	2020
Cash and cash equivalents	\$ 687,394	\$ 586,981
Contract service fees receivable	168,161	299,665
Prepaid expenses	22,893	14,892
Security deposits	24,670	24,670
Property and equipment, net	24,514	41,791
Total assets	\$ 927,632	\$ 967,999

Liabilities and Net Assets

Liabilities

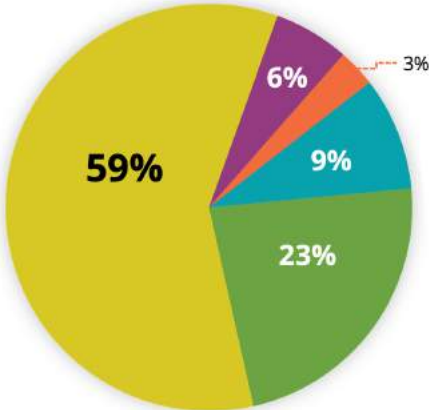
Accounts payable and accrued expenses	\$ 60,088	\$ 107,151
Deferred rent	45,452	15,225
Unearned revenue	144,015	316,094
Paycheck Protection Program loan	-	193,617
Total liabilities	249,555	632,087
Net assets with donor restrictions	678,077	335,912
Total liabilities and net assets	\$ 927,632	\$ 967,999

Statement of Activities

<i>Support and Revenue</i>	2021	2020
Contract service fees	\$ 1,443,429	\$ 1,493,279
Contributions	60,829	24,540
Government grant (CARES Act / PPP Loan)	193,617	-
In-kind contributions*	10,617	95,439
Other	10,084	4,808
Total support and revenue	1,718,576	1,618,066
<i>Expenses</i>		
Program services	854,658	1,006,358
Supporting activities		
Management and general	402,035	519,971
Fundraising	119,718	108,644
Total supporting activities	521,753	628,615
Total expenses	1,376,411	1,634,973
Increase (decrease) in net assets	342,165	(16,907)
Net assets without donor restrictions, beginning of year	335,912	352,819
Net assets without donor restrictions, end of year	\$ 678,077	\$ 335,912

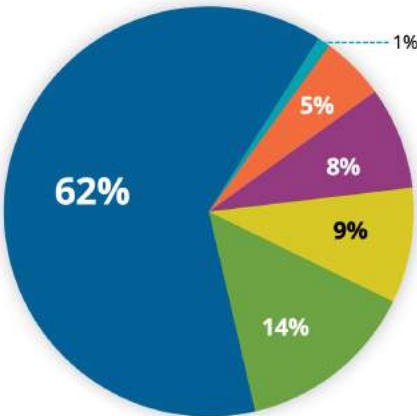
* Excluding in-kind donation of office space from January through June 2021 provided by GFP Real Estate LLC, the landlords for our New York offices. The in-kind donation of office space from October through December 2020 is included.

Sources of Revenue



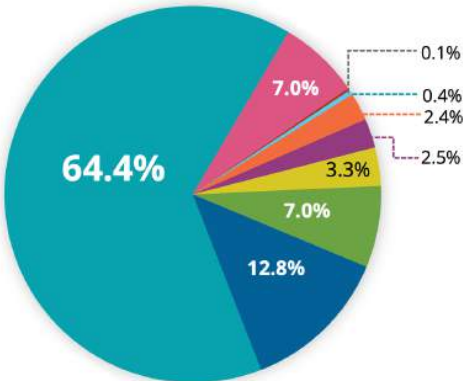
- Charitable and Other Income
- Corporations, Universities, State/Local Gov't
- In-Kind Donations
- Foundations & Non-Profits
- Federal

Distribution of Federal Funding



- U.S. Department of Commerce (NOAA)
- U.S. Department of State
- U.S. Department of Education
- National Institutes of Health
- Institute of Museum and Library Services
- National Science Foundation

Distribution of Functional Expenses



- Fees, Dues, & Other
- Travel & Conferences
- Professional & IT
- Accounting & Audit
- Insurance & Depreciation
- Office & Supplies
- Occupancy & Maintenance
- Subawards & Consultants & Stipends
- Salaries & Benefits



2021 Knology Team

Staff

Bennett Attaway, B.S. Researcher

Jena Barchas-Lichtenstein, Ph.D., Researcher

Joanna Laursen Brucker, Ed.M.
Chief Operating Officer

James Cribbs, M.A., Writer

Ian Dougherty, CPA
Chief Financial Officer

Shaun Field, M.A. Researcher

Kate Flinner, M.A.
Manager of Communications

John Fraser, Ph.D., AIA. President & CEO

Rupu Gupta, Ph.D. Researcher

Olivia Killingsworth, Finance Team

Nicole LaMarca, M.A. Researcher

Kathryn Nock, B.S., Researcher

Rebecca Norlander, Ph.D., Researcher

Uduak Grace Thomas, M.A.,
Writer & Manager of Communications

Laura Tietjen, M.A. Researcher & Administrator

John Voiklis, Ph.D. Researcher

Board of Trustees

Leonard P. Singh,
Board Chair, Audit Committee Chair (to June '21)

Adam Wasserman, J.D.,
Treasurer (to June '21)
Board Chair, Audit Committee Chair (July onward)

Carolyn Gray,
Vice-Chair, Research Integrity Officer

Jenna Hayes, J.D.,
Secretary, Legal Committee Chair

Thomas Graham, Ph.D.,
Treasurer (July '21 onward), Finance Chair

Jeanne Achille, Trustee

Kashif Ahkter, Trustee,
Organizational Development Committee
Secretary

Robert Davis DVM, Trustee

Batool Hussain, Trustee

Julia Mair, Trustee

Manoj Panjwani, Trustee,
Growth Committee Chair

Greg Parets, J.D., Trustee

Evangelos Perros, Trustee,
Growth Committee Secretary

Suzanne Salomon, Trustee

Jack Sanderson, Trustee,
Organizational Development Committee Chair

Anna Soubbotina, Trustee

John Fraser, Ph.D., AIA,
President & CEO (*ex officio*)

Research Fellows

Nezam Ardalan, M.A.

Jennifer Dixon, J.D., MSLIS

Joseph de la Torre Dwyer, Ph.D.

Ed Greene, Ph.D.

Erwin de Leon, Ph.D.

Heather Lerner, Ph.D.

Susan Hannah

William Lynn, Ph.D.

Kin Kong, Ph.D.

Kris Morrissey, Ph.D.

Brian J. Plankis, Ed.D.

**Christina Shane-Simpson, M.A.,
Ph.D.**

Beverly K. Sheppard, M.A.

Sarah Sutton, M.A.

Shelley Stern, LCSW, Ed.M.



2021 Publications

Peer Reviewed

Barchas-Lichtenstein, J., Voiklis, J., Glasser, D., Fraser, J. (2021). Finding relevance in the news: The scale of self-reference. *Journal of Pragmatics*, 171, 49-61.

Barchas-Lichtenstein, J., Voiklis, J., Santhanam, L., Akpan, N., Ishwar, S., Attaway, E., Parson, P., & Fraser, J. (2021). Better News About Math: A Research Agenda. *Numeracy*, 14(1).

Gupta, R., LaMarca, N., Rank, S. J., Flinner, K., & Ardalan, N. (2021). Expanding high school youth's perceptions of environmental careers and resilience development through conservation education. *Applied Environmental Education & Communication*, 20(4), 376-392.
<https://doi.org/10.1080/1533015X.2021.1907261>

Editorials

Fraser, J. (2021). Uncertain Future. *Curator: The Museum Journal*, 64(1), 5-7.

Fraser, J. (2021). Leadership Legitimacy. *Curator: The Museum Journal*, 64(2), 213-217.

Fraser, J. (2021). Literature Synthesis Research. *Curator: The Museum Journal*, 64(3), 417-419.

Fraser, J. (2021). Steps Toward a More Diverse, Inclusive, and Equitable Museum Literature. *Curator: The Museum Journal*, 64(4), 609-611.

Publications for Professionals

PBS NewsHour: Health Literacy

Voiklis, J., LaMarca, N., Attaway, E., Barchas-Lichtenstein, J., Thomas, U.G., & Fraser, J. (2021). Health News to Improve Awareness of Public Health Topics. Knology Publication #NIH.100.098.11. Knology.

Attaway, E., & Voiklis, J. (2021). Health News to Improve Awareness of Public Health Topics: Appendix. Knology Publication #NIH.100.098.11-A. Knology.

Discover SCIENCE with Dr. Bear

Field, S., Joy Norlander, R., Gupta, R., Musser, A., Nock, K. (2021). Discover SCIENCE with Dr. Bear® Year 4 Evaluation Report. Knology Publication #NIH.090.140.09. Knology.

West Big Data Innovation Hub

Norlander, R.J., Voiklis, J., Attaway, E., Thomas, U.G., Fraser, J., Brucker, J.L., LaMarca, N. (2021). West Big Data Innovation Hub Evaluation Report: Building Sustainable Data Science Partnerships & Networks. Knology Publication #NSF.182.632.01. Knology.

CodePlay

Barchas-Lichtenstein, J., Brucker, J.L., Voiklis, J., Attaway, E., Rowe, E., Thomas, U.G., & Tietjen, L. (2021). CodePlay Final Evaluation Report. Knology Publication #NSF.051.432.05. Knology.

Attaway, E., & Rowe, E. (2020). CodePlay Final Evaluation Report Appendix. Knology Publication #NSF.051.432.04-A. Knology.

Community Partnership for Resilience, Communities Advancing Science Literacy, & Capacity-building for Youth Civic Leadership for Issues in Science & Society

Gupta, R., LaMarca, N., Nock, K., Flinner, K. (2021). "Supporting Informal Educators & Youth Civic Engagement in a Challenging Social Context" in Climate Resilience & Communities. #GOV.052.488.06. Knology.

Gupta, R., LaMarca, N., Attaway, E., Thomas, U. G. & Fraser, J. (2021). Capacity-Building for Youth Civic Leadership for Issues in Science & Society: Building A Community of Practice Around Youth Civic Engagement in Informal Learning Contexts. Knology Publication # IML.052.488.04.: Knology.

Gupta, R., LaMarca, N., Fraser, J., & Nock, K. (2021). Sharing power: Aquariums and community advocacy groups advancing STEM literacies in at-risk communities. In Climate Resilience & Communities. Knology Publication #GOV.052.488.05. Knology.

LaMarca, N. & Gupta, R. (2020). Sharing Power: Appendix Aquariums & Community Groups Advancing STEM Literacies in Climate-Threatened Areas. Knology Publication #GOV.052.488.05-A. Knology.

Addressing Societal Challenges through STEM

Morrissey, K., Fraser, J., Norlander, R., Nock, K., Ball, T., & Flinner, K. (2021). A Research Synthesis: Addressing Societal Challenges through STEM. Knology Publication #NSF.022.499.01. Knology.

Morrissey, K. (2021). Research Synthesis: Challenges and Opportunities of an Evolving Methodology. Knology Publication #NSF.022.499.02. Knology.

Media Literacy Education

Attaway, E., Norlander, R.J., & Barchas-Lichtenstein, J. (2021). Key Findings and Recommendations: Media Literacy Education in Libraries for Adult Audiences. Knology Publication #IML.074.512.01. Knology.

Evaluation of NY Sun Works' Discovering Sustainability Science Curriculum & Home Hydroponic Kits

Gupta, R., LaMarca, N., Attaway, E., & Flinner, K. (2021). Impacts of NY Sun Works' Discovering Sustainability Science. Knology Publication #NPO.173.531.01. Knology.

Gupta, R., LaMarca, N., Attaway, E., & Flinner, K. (2021). Impacts of NY Sun Works' Discovering Sustainability Science: Appendix. Knology Publication #NPO.173.531.01-A. Knology.

Gupta, R., LaMarca, N., Attaway, E., & Flinner, K. (2021). Key Findings: Discovering Sustainability Science. Knology Publication #NPO.173.531.02. Knology.

Meaningful Math

Attaway, E., & Barchas-Lichtenstein, J. (2021). Meaningful Math: Focus Group Feedback #1. Knology Publication #NSF.100.556.04. Knology.

Northeast Big Data Innovation Hub

Norlander, R. J., Thomas, U. G., Ardalan, N., Nock, K., & LaMarca, N. (2021). Summative Evaluation of the Northeast Big Data Innovation Hub: Building a Community-Responsive Network. Knology Publication #NSF.159.560.02. Knology.

Financial Education & State Spending

Dwyer, J.T., Field, S., Thomas, U.G., & Flinner, K. (2020). A New History of Investment in Financial Education across the United States. Knology Publication #NPO.174.564.01. Knology.

ACM Trends Reports Series

Flinner, K., Voiklis, J., Field, S., Thomas, U.G., Attaway, E., & Gupta, R. (2021). Museums in a Pandemic: Diversifying Funding Streams. ACM Trends 4(7). Knology & Association of Children's Museums.

Thomas, U.G., Field, S., Flinner, K., Voiklis, J., & ACM Staff. (2021). Museums in a Pandemic: Social & Health Services Collaborations. ACM Trends 4(8). Knology & Association of Children's Museums.

The Association of Children's Museums & Knology. (2021). Museums in a Pandemic: Snapshot of Impacts in Spring 2021. ACM Trends 4(9). Knology & Association of Children's Museums.

Thomas, U.G., Field, S., Flinner, K., Voiklis, J., & ACM Staff. (2021). Museums in a Pandemic: Collaborations with Cultural Institutions. ACM Trends 4(10). Knology & Association of Children's Museums.

Thomas, U.G., Field, S., Flinner, K., Voiklis, J., & ACM Staff (2021). Museums in a Pandemic: School & University Collaborations. ACM Trends 4(11). Knology & Association of Children's Museums.

Flinner, K., Field, S., Voiklis, J., Thomas, U.G., & ACM Staff. (2021). Museums in a Pandemic: Personnel & Rebuilding Teams. ACM Trends 4(12). Knology & Association of Children's Museums.

Fraser, J., Field, S., Voiklis, J., Attaway, E., & Thomas, U. G. (2021). Museums in a Pandemic: Patterns in Fundraising. ACM Trends 4(13). Knology & Association of Children's Museums.

Field, S., Voiklis, J., Thomas, U.G., Attaway, E., Musser, A., & ACM Staff. (2021). Museums in a Pandemic: Confidence in Meeting Operational Needs. ACM Trends 4(14). Knology & Association of Children's Museums.

Libraries Transforming Communities: Facilitation Skills for Small and Rural Libraries

Norlander, R.J., Dixon, J., & Brucker, J.L. (2021). Facilitation Skills for Small and Rural Libraries. Knology Publication #IML.074.594.02. American Library Association.

Park Over Plastic

Gupta, R., Field, S., Thomas, U.G., Nock, K., & Flinner, K. (2021). Park Over Plastic®: Findings from an Initiative to Reduce Plastic Use in Hudson River Park. Knology Publication #GOV.163.603.03. Knology.

Global Media Makers Year 5

Nock, K., Barchas-Lichtenstein, J., & Brucker, J.L. (2021). Global Media Makers Year 5: Screenplay Development Fellows Interviews & Outreach. Knology Publication #DOS.172.613.03. Knology.

Libraries as Entrepreneurial Hubs

Thomas, U.G., Gupta, R., & Norlander, R. (2021). In Toledo, One Entrepreneur is Educating Her Community About Natural Hair Care. Knology Publication #NPO.180.636.07. Knology.

Norlander, R., Gupta, R., Brucker, J.L., Field, S., & Attaway, E. (2021). Austin Public Library Data Report. Knology Publication #NPO.180.636.09. Knology.

Norlander, R., Gupta, R., Brucker, J.L., Attaway, E., Field, S., & LaMarca, N. (2021). King County Library System Data Report. Knology Publication #NPO.180.636.11. Knology.

Norlander, R., Gupta, R., Brucker, J.L., Field, S., & Attaway, E. (2021). St. Louis County Library Data Report. Knology Publication #NPO.180.636.12. Knology.

Attaway, E., Voiklis, J., Norlander, R.J., & Field, S. (2021). Libraries as Entrepreneurial Hubs National Survey of Entrepreneurs Topline Report. Knology Publication #NPO.180.636.14. Knology.

Attaway, E., Voiklis, J., Norlander, R.J., & Field, S. (2021). Libraries as Entrepreneurial Hubs National Survey of Entrepreneurs Topline - Appendix. Knology Publication #NPO.180.636.14-A. Knology.

Searching For Justice

Barchas-Lichtenstein, J., Nock, K., Flinner, K., & Fraser, J. (2021). News Media Coverage of Re-entry. Knology Publication #NPO.100.653.01. Knology.

Barchas-Lichtenstein, J., Nock, K., Flinner, K., & Fraser, J. (2021). Searching for Justice: News Media Coverage of Re-entry. Knology Publication #NPO.100.653.02. Knology.

Attaway, E., Barchas-Lichtenstein, J., Flinner, K., & Voiklis, J. (2021). Searching for Justice: Public Attitudes toward Incarceration & Reentry. Knology Publication #NPO.100.653.03. Knology.

Barchas-Lichtenstein, J. (2021). Searching for Justice Panel Review 1: Obtaining Identification. Knology Publication #NPO.100.653.04. Knology.

UniVRsal Access: Broadening Participation in Informal STEM Learning through Virtual Reality

Barchas-Lichtenstein, J., Attaway, E., Brucker, J.L., & Thomas, U.G. (2021). Fall 2020 Co-design Process Report. Knology Publication #NSF.051.662.01. Knology.

Attaway, E., Barchas-Lichtenstein, J., Brucker, J.L., & Thomas, U.G. (2021). Spring 2021 Co-design Process Analysis. Knology Publication #NSF.051.662.02. Knology.

Family Place

Gupta, R. (2021). Family Place: Gold Star Analysis Supplement. Knology Publication #NPO.158.672.02. Knology.

Empathy Across the USA

Voiklis, J., Attaway, E., Field, S. (2021). Empathy Across the USA: Pre-Survey Topline Report. Knology Publication #NPO.184.673.02. Knology.

Voiklis, J., Attaway, E., Field, S., Thomas, U.G. (2021). Empatico Evaluation Report: Empathy Across the USA. Knology Publication #NPO.184.673.03. Knology.

Attaway, E., Voiklis, J., & Brucker, J.L. (2021). Appendix: Empatico Evaluation Report: Empathy Across the USA. Knology Publication #NPO.184.673.03-A. Knology.

Skills for 21st-Century Librarians:

Task Force for the Development of a NILPPA-Informed Programming Librarian Curriculum

Norlander, R.J., & Barchas-Lichtenstein, J. (2021). Skills for 21st-Century Librarians: Learning Objectives for Library Programming. Knology Publication #IML.074.707.02. American Library Association.

Global Media Makers Year 6

Barchas-Lichtenstein, J., & Brucker, J.L. (2021). Global Media Makers Year 6: Iraq, Nigeria, & Burkina Faso Outreach Report. Knology Publication #DOS.172.732.01. Knology.

PTS Online Learning Research

Barchas-Lichtenstein, J., Voiklis, J., Field, S., Laursen Brucker, J. (2021). International Youth Foundation – Passport to Success: Traveler MERL Toolkit. Knology Publication #NPO.189.745.01. Knology.

Barchas-Lichtenstein, J., Voiklis, J., Field, S., Laursen Brucker, J. (2021). International Youth Foundation – Passport to Success: Traveler MERL Toolkit Appendix. Knology Publication #NPO.189.745.01-A. Knology.

Moral Motives Conference

Voiklis, J., Barchas-Lichtenstein, J., Attaway, E., Thomas, U.G., & LaMarca, N. (2021). The Origins of the Moral Motives Conference: Public Health Behavior. #NSF.022.767.01. Knology.



Knology®

Behaviors

Biosphere

Culture

Media

Wellness

Systems

Knology.org
info@knology.org

tel: (442) 222-8814
3630 Ocean Ranch Blvd.
Oceanside, CA 92056

tel: (347) 766-3399
40 Exchange Pl. Suite 1403
New York, NY 10005