SOURCES STUDENTS USE IN COLLEGE					
WEBSITES	**ARTICLES**	**BOOKS**	**REFERENCE BOOKS**	**DATA & STATISTICS**	
Skills Required to Find Websites	**Skills Required to Find Articles**	**Skills Required to Find Books**	**Skills Required to Find Reference Books**	**Skills Required to Find Data & Statistics**	**AASL STANDARDS FOR THE 21st CENTURY LEARNER**
Choose a search engine	Navigate a library website; choose an article database	Navigate a library website and online catalog	Navigate a library website, online catalog	Identify and locate sources of data and statistics	1.1.4 Find, evaluate, and select appropriate sources to answer questions.
Construct an effective web search	Construct an effective database search	Construct an effective online catalog search; use LC classification	Construct search strategies that identify reference books within the rest of the collection	Construct an effective search of data and statistics sources	1.1.8 Demonstrate mastery of technology tools for accessing information and pursuing inquiry. 1.2.5 Demonstrate adaptability by changing the inquiry focus, questions, resources, or strategies when necessary to achieve success. 1.2.6 Display emotional resilience by persisting in information searching despite challenges. 1.2.7 Display persistence by continuing to pursue information to gain a broad perspective. 2.2.1 Demonstrate flexibility in the use of resources by adapting information strategies to each specific resource and by seeking additional resources when clear conclusions cannot be drawn.
Evaluate website quality	Distinguish popular and scholarly	Evaluate book quality	Distinguish among a variety of	Interpret and evaluate data and statistics	1.1.5 Evaluate information found in selected sources on the basis of accuracy, validity, appropriateness for needs, importance, and social and cultural context.

	articles; evaluate article quality		reference books; use evaluation criteria specific to reference books		1.2.4 Maintain a critical stance by questioning the validity and accuracy of all information.
Incorporate website information into an assignment	Incorporate article information into an assignment	Incorporate book information into an assignment	Incorporate reference book information into an assignment	Incorporate data and statistics information into an assignment	2.1.1 Continue an inquiry-based research process by applying critical thinking skills (analysis, synthesis, evaluation, organization) to information and knowledge in order to construct new understandings, draw conclusions, and create new knowledge. 2.1.2 Organize knowledge so that it is useful. 2.1.6 Use the writing process, media, and visual literacy, and technology skills to create products that express new understandings. 3.1.1 Conclude and inquiry-based research process by sharing new understandings and reflecting on the learning. 3.1.3 Use writing and speaking skills to communicate new understandings effectively. 3.1.4 Use technology and other information tools to organize and display knowledge and understanding in ways others can view, use, and assess.
Cite the website according to style guidelines	Cite the article according to style guidelines	Cite the book according to style guidelines	Cite the reference book according to style guidelines	Cite the data and statistics according to style guidelines	3.1.6 Use information and technology ethically and responsibly.
Use multiple source types					1.2.3 Demonstrate creativity by using multiple resources and formats.

Figure 3. Sources Students Use in College & Corresponding AASL Standards