

Connecting with Students Through Instructional Design

Using Chunking, Scaffolding, and Collaborative Learning to Teach APA Style to Dual-Enrolled Students

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Davenport's Dual-Enrollment Program

- About 70 students from various high schools in Eaton County
- 11th and 12th grade
- 2 classes per semester
- Three tracks
 - Business
 - Programming and Game Design
 - Medical Assisting

The Scenario

- Twelve dual-enrolled students taking *Introduction to Marketing*.
- 2-hour presentation on all aspects of American Psychological Association (APA) Style.
- Students had little to no previous experience with APA Style.

Opportunities and Challenges

Opportunities

- Connect with students
- Key faculty connection

Challenges

- Students' ages (16-17)
- Boring topic
- Technology setup

Solutions

- Start with the Learning Outcomes (SWBAT's) and work backwards
- Match activities to SWBAT's

Learning Outcomes (SWBAT's)

- Students will be able to:
 - Apply basic formatting rules (font, margins, running heads, page numbers, cover page, references page) to a paper.
 - Identify the information included in an in-text citation and place it in the correct location.
 - Determine the order of parts in an APA Style reference (author, date, title, publication information).

Chunking

- Breaking complex information into manageable parts.
- Try it - study this string of characters for 30 seconds.

MATDOGFIRTOEBAGCOWNAP

Short Term Memory



("Short Term Memory," 2010)

- How many of you did this?

MAT – DOG – FIR – TOE – BAG – COW – NAP

- Short term memory has a very limited capacity
- Other simple examples – social security numbers, driver's license numbers, credit card numbers

(Aben, Stapert, & Blokland, 2012; Nesvig, 2014)

APA Style

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graph TD; A[APA Style] --> B[Page Formatting]; A --> C[In-Text Citations]; A --> D[References Page]; E[Least Complex] --> F[Most Complex]
```

Page
Formatting

In-Text
Citations

References
Page

Least Complex

Most Complex

Scaffolding

- Support learning through key aids and gradually remove aids as mastery develops.
- Example: Driver's Ed
 - Classroom instruction
 - Closed course
 - Drive with an instructor on the road
 - Practice with a parent

(Iris Center, n.d.)



Collaborative
Project

Guided Individual Practice

Demonstration

Collaborative Learning

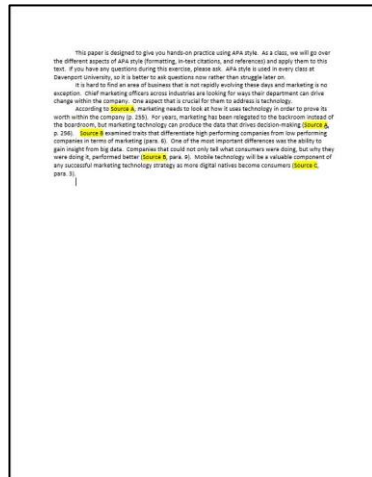
Four principles of collaborative learning:

- The learner is the primary focus of instruction.
- Interaction and "doing" are of primary importance.
- Working in groups is an important mode of learning.
- Structured approaches to developing solutions to real-world problems should be incorporated into learning.

(Cornell University Center for Teaching Innovation, n.d.)

The Project:

- Format a pre-written “dummy” paper into APA style
- Add more for each chunk, with a finished product at the end
- Students can put other students in the hot seat
- Teacher on the sidelines prompting or correcting as needed



So how did it all come together?

Chunk 1: Page Formatting

Demonstrate → Practice → Collaborate

1-inch margin on all 4 sides

Running head: APA FORMATTING: IT CAN BE DONE

1

If the full title is longer than 50 characters, choose a "shortened title" for all running heads. The words "Running head:" (with colon) appear only on page 1.

Title should begin about 2 inches from the top margin.

APA Formatting: It Can Be Done

Student Name

Davenport University

English ###

Instructor Don Schelke

October 15, 2015

The first three lines above are required. The second three lines, which are APA appropriate, are optional per your instructor. (Instructor Don Schelke does require all six lines -- so students will know how to do them.)

A "page break" is recommended after each major section of the essay (title page, abstract, essay proper, etc.), so formatting for each section will be protected from changes when editing other parts of the essay.

DU Template (adapted by DS—revised 07-10-15) (NOTE: APA style does not have footers!)



Chunk 2: In-Text Citations

Demonstrate → Practice → Collaborate



Cite the following sources in text:

Authors: Chang and Willis

Date: 2017

Page: 226

Sentence 1: The infection rate is expected to drop _____.

Sentence 2: According to _____, the infection rate is expected to drop _____.

Author: National Park Service

Date: 2018

Paragraph: 2

Sentence 1: Noise meters will be placed around the park to make visitors aware of their noise output _____.

Sentence 2: According to _____ noise meters will be placed around the park to make visitors aware of their noise output _____.

No author given, but the title is: In Davos, Merkel says isolation not the answer

Date: January 24, 2018

Paragraph: 1

Sentence: Merkel, addressing the World Economic Forum, said isolation will not help the current economic situation _____.



Chunk 3: References

Demonstrate → Practice → Collaborate



Reorder the parts of the reference into the correct order. Write your references in the empty boxes.

Example 1:

(2013). Consumer attitudes towards mobile marketing in the smart phone era.

International Journal of Information Management, 33(5), 840-849.
<https://doi.org/10.1016/j.ijinfomgt.2013.06.004>

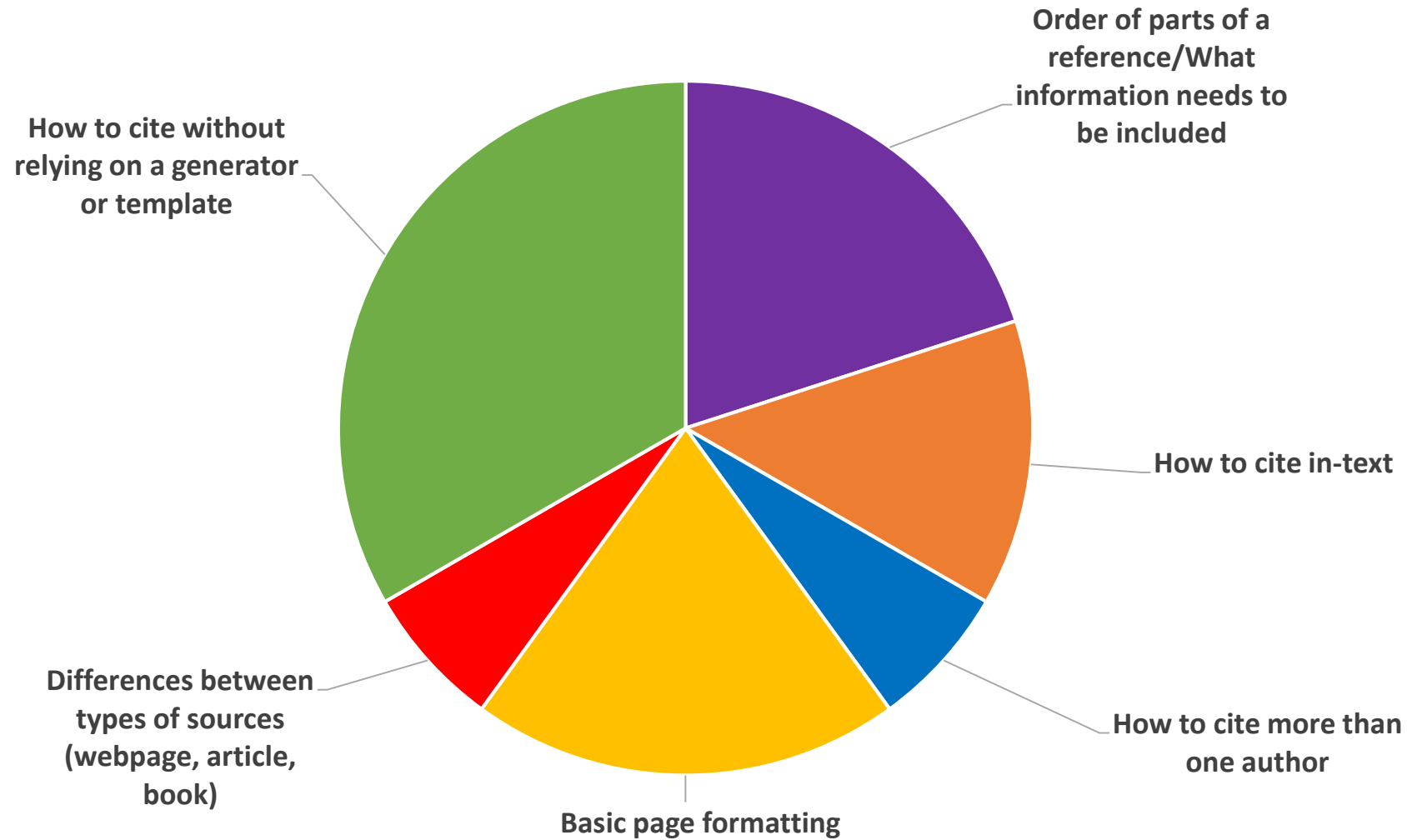
Watson, C., McCarthy, J., & Rowley, J.

Write out the reference here:

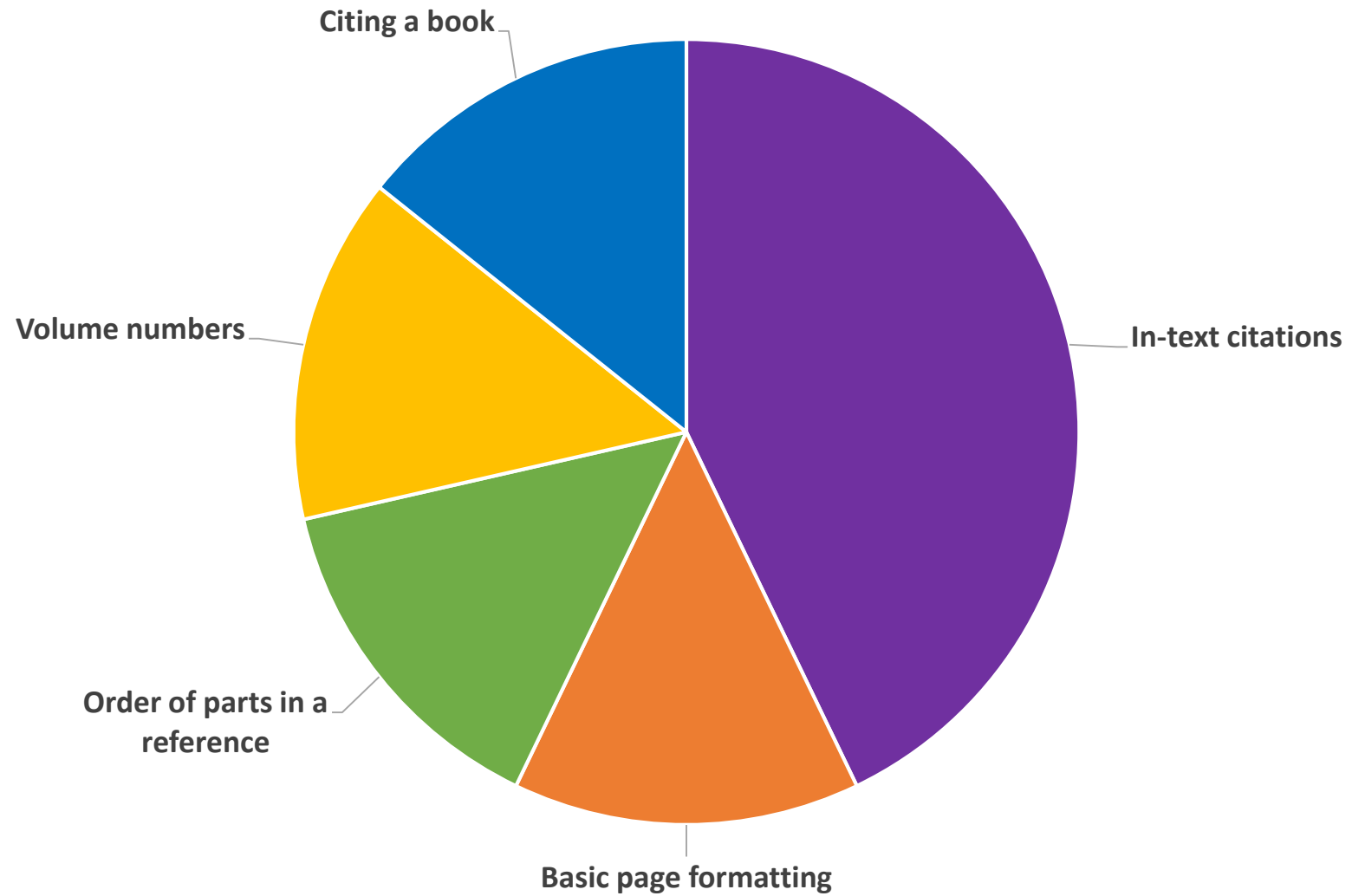


Evaluation

"Something I Learned"



"Most Confusing"



References

Aben, B., Stapert, S., & Blokland, A. (2012). About the distinction between working memory and short-term memory. *Frontiers in Psychology*, 3(301), 1-9. doi: 10.1016/S0079-6123(07)00020-9

Cornell University Center for Teaching Innovation. (n.d.). *What is collaborative learning?* Retrieved from <https://www.cte.cornell.edu/teaching-ideas/engaging-students/collaborative-learning.html>

IRIS Center. (n.d.). *What is instructional scaffolding?* Retrieved from <https://iris.peabody.vanderbilt.edu/module/sca/cresource/q1/p01/>

Nesvig, B. (2014, June 12). *The power of chunking: How to increase learning retention*. Retrieved from <https://www.dashe.com/blog/learning/chunking-memory-retention/>

Short term memory [Web comic]. (2010, October 5). Retrieved from <http://wildtimez.smackjeeves.com/comics/1002133/short-term-memory/>