

## Appendix A: Experiment 1 materials

1

**ARC:** John envied the friend of/with the colonel, who was on the balcony.

**RRC:** John envied the friend of/with the colonel that was on the balcony.

**NA:** John envied the friend of/with the colonel, that man on the balcony.

2

**ARC:** Melissa liked the niece of/with the stylist, who was interning in Hollywood.

**RRC:** Melissa liked the niece of/with the stylist that was interning in Hollywood.

**NA:** Melissa liked the niece of/with the stylist, an intern in Hollywood.

3

**ARC:** Lulu detested the assistant of/with the editor, who was working on the new magazine.

**RRC:** Lulu detested the assistant of/with the editor that was working on the new magazine.

**NA:** Lulu detested the assistant of/with the editor, the person working on the new magazine.

4

**ARC:** Jackson liked the secretary of/with the beautiful CEO, who was flirting with the visitors.

**RRC:** Jackson liked the secretary of/with the beautiful CEO that was flirting with the visitors.

**NA:** Jackson liked the secretary of/with the beautiful CEO, that lady flirting with the visitors.

5

**ARC:** Martin hated the driver of/with the millionaire, who had such a crass sense of humor.

**RRC:** Martin hated the driver of/with the millionaire that had such a crass sense of humor.

**NA:** Martin hated the driver of/with the millionaire, a jerk with a crass sense of humor.

6

**ARC:** Tamara liked the helper of/with the chef, who had a wicked smile.

**RRC:** Tamara liked the helper of/with the chef that had a wicked smile.

**NA:** Tamara liked the helper of/with the chef, that dude with a wicked smile.

7

**ARC:** Jessica respected the babysitter of/with the rich neighbor, who was always talking.

**RRC:** Jessica respected the babysitter of/with the rich neighbor that was always talking.

**NA:** Jessica respected the babysitter of/with the rich neighbor, that chatterbox who was always talking.

8

**ARC:** Jocelyn admired the coach of/with the soccer player, who was incredibly handsome.

**RRC:** Jocelyn admired the coach of/with the soccer player that was incredibly handsome.

**NA:** Jocelyn admired the coach of/with the soccer player, that incredibly handsome guy.

9

**ARC:** Ruth noticed the speechwriter of/with the politician, who was exceptionally articulate.

**RRC:** Ruth noticed the speechwriter of/with the politician that was exceptionally articulate.

**NA:** Ruth noticed the speechwriter of/with the politician, that exceptionally articulate fellow.

10

**ARC:** Penny ignored the child of/with the patient, who had a really annoying voice.

**RRC:** Penny ignored the child of/with the patient that had a really annoying voice. **NA:** Penny ignored the child of/with the patient, a young one with an annoying voice.

11

**ARC:** David corrected the teenager of/with the harried mother, who was complaining about the computer.

**RRC:** David corrected the teenager of/with the harried mother that was complaining about the computer.

**NA:** David corrected the teenager of/with the harried mother, , the one with complaints about the computer.

12

**ARC:** Ian praised the mechanic of/with the racecar driver, who was receiving lots of attention.

**RRC:** Ian praised the mechanic of/with the racecar driver that was receiving lots of attention.

**NA:** Ian praised the mechanic of/with the race car driver, a guy who got lots of attention.

13

**ARC:** Max contacted the agent of/with the actor, who was so snooty.

**RRC:** Max contacted the agent of/with the actor that was so snooty.

**NA:** contacted the agent of/with the actor, a super snooty Hollywood type.

14

**ARC:** Tina knew the nurse of/with the celebrity, who was reported to be writing a memoir.

**RRC:** Tina knew the nurse of/with the celebrity that was reported to be writing a memoir.

**NA:** Tina knew the nurse of/with the celebrity, a southerner about to write a memoir.

15

**ARC:** Sandra respected the tutor of/with the historian, who was a native Spanish speaker.

**RRC:** Sandra respected the tutor of/with the historian that was a native Spanish speaker.

**NA:** Sandra respected the tutor of/with the historian, a native Spanish speaker.

16

**ARC:** Amy feared the lawyer of/with the defendant, who was constantly in the press.

**RRC:** Amy feared the lawyer of/with the defendant that was constantly in the press.

**NA:** Amy feared the lawyer of/with the defendant, someone constantly in the press.

17

**ARC:** Stan texted the trainer of/with the wrestler, who was about to be arrested by the police.

**RRC:** Stan texted the trainer of/with the wrestler that was about to be arrested by the police.

**NA:** Stan texted the trainer of/with the wrestler, someone arrested by the police.

18

**ARC:** Jennifer mentioned the stylist of/with the model, who was all the rage right now.

**RRC:** Jennifer mentioned the stylist of/with the model that was all the rage right now.

**NA:** Jennifer mentioned the stylist of/with the model, a New Yorker who was all the rage right now.

19

**ARC:** Abby liked the aide of/with the nurse, who was so incredibly cute.

**RRC:** Abby liked the aide of/with the nurse that was so incredibly cute.

**NA:** Abby liked the aide of/with the nurse, a boy that was so incredibly cute.

20

**ARC:** Sean described the client of/with the attorney, who was so sullen looking.

**RRC:** Sean described the client of/with the attorney that was so sullen looking.

**NA:** Sean described the client of/with the attorney, an old guy who was so sullen looking.

21

**ARC:** Luke admired the hairdresser of/with the actress who looked frightened.

**RRC:** Luke admired the hairdresser of/with the actress that looked frightened.

**NA:** Luke admired the hairdresser of/with the actress, a nervous type who seemed frightened.

22

**ARC:** Ian imitated the PR person of/with the candidate, who was embarrassed. **RRC:** Ian imitated the PR person of/with the candidate that was embarrassed. **NA:** Ian imitated the PR person of/with the candidate, a guy that seemed embarrassed.

23

**ARC:** Lucy liked the therapist of/with the politician, who was standing off stage.

**RRC:** Lucy liked the therapist of/with the politician that was standing off stage.

**NA:** Lucy liked the therapist of/with the politician, a tall fellow standing off stage.

24

**ARC:** Tamara idolized the photographer of/with the assistant editor, who looked uncomfortable.

**RRC:** Tamara idolized the photographer of/with the assistant editor that looked uncomfortable.

**NA:** Tamara idolized the photographer of/with the assistant editor, a city type who looked uncomfortable.

## **Appendix B: Experiment 2 materials**

1.

**Matrix Subject, ARC:** That girl was at the party, which was held in the big auditorium, the one who you wanted to date.

**Matrix Subject, RRC:** That girl was at the party that was held in the big auditorium, the one who you wanted to date.

**RC Object, ARC:** That girl was at the party, which was held in the big auditorium, the one that has a capacity of 10,000.

**RC Object, RRC:** That girl was at the party that was held in the big auditorium, the one that has a capacity of 10,000.

2.

**Matrix Subject, ARC:** That teacher was in the gym, which is near the swimming pool, the one who you said is handsome.

**Matrix Subject, RRC:** That teacher was in the gym that is near the swimming pool, the one who you said is handsome.

**RC Object, ARC:** That teacher was in the gym, which is near the swimming pool, the one that you use on weekdays.

**RC Object, RRC:** That teacher was in the gym that is near the swimming pool, the one that you use on weekdays.

3.

**Matrix Subject, ARC:** That shopkeeper came to the meeting, which was about the new town hall, the one who you said cheats his customers.

**Matrix Subject, RRC:** That shopkeeper came to the meeting that was about the new town hall, the one who you said cheats his customers..

**RC Object, ARC:** That shopkeeper came to the meeting, which was about the new town hall, the one that you said was going to cost so much.

**RC Object, RRC:** That shopkeeper came to the meeting that was about the new town hall, the one that you said was going to cost so much.

4.

**Matrix Subject, ARC:** That dog owner was at the track, the one where the kids stay behind the bleachers, the one who owns a beautiful sheep dog.

**Matrix Subject, RRC:** That dog owner was at the track where the kids stay behind the bleachers, the one who owns a beautiful sheep dog.

**RC Object, ARC:** That dog owner was at the track, where the kids stay behind the bleachers, the ones that are under the scoreboard.

**RC Object, RRC:** That dog owner was at the track where the kids stay behind the bleachers, the one that are under the scoreboard.

5.

**Matrix Subject, ARC:** That policeman was at the public gathering, which addressed violence in school, the one who managed to calm everyone down.

**Matrix Subject, RRC:** That policeman was at the public gathering that addressed violence in school, the one who managed to calm everyone down.

**RC Object, ARC:** That policeman was at the public gathering, which addressed violence in school, the one that had two recent riots.

**RC Object, RRC:** That policeman was at the public gathering that addressed violence in school, the one that had two recent riots.

6.

**Matrix Subject, ARC:** That gardener was at the orchid demonstration, which was at the big box store, the one who grows prize flowers.

**Matrix Subject, RRC:** That gardener was at the orchid demonstration that was at the big box store, the one who grows prize flowers.

**RC Object, ARC:** That gardener was at the orchid demonstration, which was at the big box store, the one that sells bulk fertilizer.

**RC Object, RRC:** That gardener was at the orchid demonstration that was at the big box store, the one that sells bulk fertilizer.

7.

**Matrix Subject, ARC:** That carpenter enrolled in a workshop, which was about hardwood, the one who is from Singapore.

**Matrix Subject, RRC:** That carpenter enrolled in a workshop that was about hardwood, the one who is from Singapore.

**RC Object, ARC:** That carpenter enrolled in a workshop, which was about hardwood, the kind that grows in Singapore.

**RC Object, RRC:** That carpenter enrolled in a workshop that was about hardwood, the kind that grows in Singapore.

8.

**Matrix Subject, ARC:** That chef went to cooking classes, which cover fermentation techniques, the one who studied in Belgium.

**Matrix Subject, RRC:** That chef went to cooking classes that cover fermentation techniques, the one who studied in Belgium.

**RC Object, ARC:** That chef went to cooking classes, which cover fermentation techniques, the ones that were developed in Belgium.

**RC Object, RRC:** That chef went to cooking classes that cover fermentation techniques, the ones that were developed in Belgium.

9.

**Matrix Subject, ARC:** That model came to the opening, which was in a picture framing shop, the one who you shared a taxi with.

**Matrix Subject, RRC:** That model came to the opening that was in a picture framing shop, the one who you shared a taxi with.

**RC Object, ARC:** That model came to the opening, which was in a picture framing shop, the one where you used to work.

**RC Object, RRC:** That model came to the opening that was in a picture framing shop, the one where you used to work.

10.

**Matrix Subject, ARC:** That rock star commented on the PR campaign, which involves incessant interviews, the one who has been in the public eye for two decades.

**Matrix Subject, RRC:** That rock star commented on the PR campaign that involves incessant interviews, the one who has been in the public eye for two decades.

**RC Object, ARC:** That rock star commented on the PR campaign, which involves incessant interviews, the ones that involve too many smiling faces.

**RC Object, RRC:** That rock star commented on the PR campaign that involves incessant interviews, the ones that involve too many smiling faces.

11.

**Matrix Subject, ARC:** That groupie came to the party, which was intended as a fund-raising event, the one who likes anyone associated with the music industry.

**Matrix Subject, RRC:** That groupie came to the party that was intended as a fund-raising event, the one who likes anyone associated with the music industry.

**RC Object, ARC:** That groupie came to the party, which was intended as a fund-raising event, the one that funds the protect-the-children charity.

**RC Object, RRC:** That groupie came to the party that was intended as a fund-raising event, the one that funds the protect-the-children charity.

12.

**Matrix Subject, ARC:** That skateboarder went to the clinic, which is intended for the neighborhood, the one who broke his leg.

**Matrix Subject, RRC:** That skateboarder went to the clinic that is intended for the neighborhood, the one who broke his leg.

**RC Object, ARC:** That skateboarder went to the clinic, which is intended for the neighborhood, the one where my sister used to live.

**RC Object, RRC:** That skateboarder went to the clinic that is intended for the neighborhood, the one where my sister used to live.

13.

**Matrix Subject, ARC:** That insurance agent walked to the company, which was opening a new branch, the one who planned to resign soon.

**Matrix Subject, RRC:** That insurance agent walked to the company that was opening a new branch, the one who planned to resign soon.

- RC Object, ARC:** That insurance agent walked to the company, which was opening a new branch, the one being built by a Chinese construction company.  
**RC Object, RRC:** That insurance agent walked to the company that was opening a new branch, the one being built by a Chinese construction company.
14. **Matrix Subject, ARC:** That teenager was drinking beer, which Sam bought at the grocery store, the one who was in that fight last year.  
**Matrix Subject, RRC:** That teenager was drinking beer that Sam bought at the grocery store, the one who was in that fight last year.  
**RC Object, ARC:** That teenager was drinking beer, which Sam bought at the grocery store, the one that's on the corner near State Street.  
**RC Object, RRC:** That teenager was drinking beer that Sam bought at the grocery store, the one that's on the corner near State Street.
15. **Matrix Subject, ARC:** That waitress was at the grocery store, which sells really good Vermont cheese, the one who spilled coffee on me.  
**Matrix Subject, RRC:** That waitress was at the grocery store that sells really good Vermont cheese, the one who spilled coffee on me.  
**RC Object, ARC:** That waitress was at the grocery store, which sells really good Vermont cheese, the kind that George buys.  
**RC Object, RRC:** That waitress was at the grocery store that sells really good Vermont cheese, the kind that George buys.
16. **Matrix Subject, ARC:** That receptionist was at the party, which was in a warehouse, the one who Anthony wants to ask out.  
**Matrix Subject, RRC:** That receptionist was at the party that was in a warehouse, the one who Anthony wants to ask out.  
**RC Object, ARC:** That receptionist was at the party, which was in a warehouse, the one that's near the railroad tracks.  
**RC Object, RRC:** That receptionist was at the party that was in a warehouse, the one that's near the railroad tracks.

### Appendix C: Experiment 3 materials

1. **RRC:** Ferdinand suspects that the janitor who Tom thinks is using the microwave at night quit.  
**ARC:** Ferdinand suspects that the janitor, who Tom thinks is using the microwave at night, quit.  
**ARC+PAREN:** Ferdinand suspects that the janitor, who -- Tom thinks -- is using the microwave at night, quit.
2. **RRC:** Becca found that the security guard who Anne argued is a trained cop fell asleep on duty.  
**ARC:** Becca found that the security guard, who Anne argued is a trained cop, fell asleep on duty.  
**ARC+PAREN:** Becca found that the security guard, who -- Anne argued -- is a trained cop, fell asleep on duty.
3. **RRC:** Andrew discovered that the geologist who we learned is always hiding in the back of the museum published a book.

- ARC:** Andrew discovered that the geologist, who we learned is always hiding in the back of the museum, published a book.  
**ARC+PAREN:** Andrew discovered that the geologist, who -- we learned -- is always hiding in the back of the museum, published a book.
4. **RRC:** Gloria knows that the bus driver who my husband thinks is a recent immigrant speaks Swahili.  
**ARC:** Gloria knows that the bus driver, who my husband thinks is a recent immigrant, speaks Swahili.  
**ARC+PAREN:** Gloria knows that the bus driver, who -- my husband thinks -- is a recent immigrant, speaks Swahili.
5. **RRC:** Samuel suspects that the executive who the secretary thinks is misappropriating company funds came in on the weekends.  
**ARC:** Samuel suspects that the executive, who the secretary thinks is misappropriating company funds, came in on the weekends.  
**ARC+PAREN:** Samuel suspects that the executive, who -- the secretary thinks -- is misappropriating company funds, came in on the weekends.
6. **RRC:** Miranda found that the inspector who Jane argued was a creep helped the investigation a lot.  
**ARC:** Miranda found that the inspector, who Jane argued was a creep, helped the investigation a lot.  
**ARC+PAREN:** Miranda found that the inspector, who -- Jane argued -- was a creep, helped the investigation a lot.
7. **RRC:** Tina discovered that the homeless man who we guess lost his job was living in the shed.  
**ARC:** Tina discovered that the homeless man, who we guess lost his job, was living in the shed.  
**ARC+PAREN:** Tina discovered that the homeless man, who -- we guess -- lost his job, was living in the shed.
8. **RRC:** Jason knows that the postman who the neighbors think has a secret life writes fiction.  
**ARC:** Jason knows that the postman, who the neighbors think has a secret life, writes fiction.  
**ARC+PAREN:** Jason knows that the postman, who -- the neighbors think -- has a secret life, writes fiction.
9. **RRC:** Melinda suspects that the organic merchant who Jeremy thinks is from Maine uses chemical preservatives.  
**ARC:** Melinda suspects that the organic merchant, who Jeremy thinks is from Maine, uses chemical preservatives.  
**ARC+PAREN:** Melinda suspects that the organic merchant, who -- Jeremy thinks -- is from Maine, uses chemical preservatives.
10. **RRC:** Brian discovered that the scam artist who Alice thinks painted the house is an artist.

- ARC:** Brian discovered that the scam artist, who Alice thinks painted the house, is an artist.  
**ARC+PAREN:** Brian discovered that the scam artist, who -- Alice thinks -- painted the house, is an artist.
11. **RRC:** Carey discovered that the trainer who Tom claims knows physiology very well retired.  
**ARC:** Carey discovered that the trainer, who Tom claims knows physiology very well, retired.  
**ARC+PAREN:** Carey discovered that the trainer, who -- Tom claims -- knows physiology very well, retired.
12. **RRC:** Angela suspects that the designer who Ellen learned trained in Paris copied designs.  
**ARC:** Angela suspects that the designer, who Ellen learned trained in Paris, copied designs.  
**ARC+PAREN:** Angela suspects that the designer, who -- Ellen learned -- trained in Paris, copied designs.
13. **RRC:** Rita suspects that the hairdresser who Sue thinks designs wedding gowns disappeared.  
**ARC:** Rita suspects that the hairdresser, who Sue thinks designs wedding gowns, disappeared.  
**ARC+PAREN:** Rita suspects that the hairdresser, who -- Sue thinks -- designs wedding gowns, disappeared.
14. **RRC:** Anita knows that the lawn guy who Henry suspects has hidden talents dances the tango professionally.  
**ARC:** Anita knows that the lawn guy, who Henry suspects has hidden talents, dances the tango professionally.  
**ARC+PAREN:** Anita knows that the lawn guy, who -- Henry suspects -- has hidden talents, dances the tango professionally.
15. **RRC:** Carla suspects that the grocer who Jessica said loves root vegetables grows beets.  
**ARC:** Carla suspects that the grocer, who Jessica said loves root vegetables, grows beets.  
**ARC+PAREN:** Carla suspects that the grocer, who -- Jessica said -- loves root vegetables, grows beets.
16. **RRC:** Seth knows that the translator who Amy said spends summers in Ecuador is Mexican.  
**ARC:** Seth knows that the translator, who Amy said spends summers in Ecuador, is Mexican.  
**ARC+PAREN:** Seth knows that the translator, who -- Amy said -- spends summers in Ecuador, is Mexican.
17. **RRC:** The waitress noticed that the diner who Paul claimed had ordered his burger rare only drank Diet Coke.

- ARC:** The waitress noticed that the diner, who Paul claimed had ordered his burger rare, only drank Diet Coke.
- ARC+PAREN:** The waitress noticed that the diner, who -- Paul claimed -- had ordered his burger rare, only drank Diet Coke.
18. **RRC:** The queen saw that the duchess who Aurelie said had committed treason was very friendly with the foreign dignitaries.
- ARC:** The queen saw that the duchess, who Aurelie said had committed treason, was very friendly with the foreign dignitaries.
- ARC+PAREN:** The queen saw that the duchess, who -- Aurelie said -- had committed treason, was very friendly with the foreign dignitaries.
19. **RRC:** Papa heard that the neighbor who I believe stole our raspberries was under police investigation.
- ARC:** Papa heard that the neighbor, who I believe stole our raspberries, was under police investigation.
- ARC+PAREN:** Papa heard that the neighbor, who -- I believe -- stole our raspberries, was under police investigation.
20. **RRC:** The mayor overheard that the police officer who we think isn't very reliable crashed the squad car.
- ARC:** The mayor overheard that the police officer, who we think isn't very reliable, crashed the squad car.
- ARC+PAREN:** The mayor overheard that the police officer, who -- we think -- isn't very reliable, crashed the squad car.
21. **RRC:** Jolene saw that the hairdresser who I think was wearing too much makeup gave really bad haircuts.
- ARC:** Jolene saw that the hairdresser, who I think was wearing too much makeup, gave really bad haircuts.
- ARC+PAREN:** Jolene saw that the hairdresser, who -- I think -- was wearing too much makeup, gave really bad haircuts.
22. **RRC:** You never noticed that the cute kid who I think is actually a menace had lit your pants on fire.
- ARC:** You never noticed that the cute kid, who I think is actually a menace, had lit your pants on fire.
- ARC+PAREN:** You never noticed that the cute kid, who -- I think -- is actually a menace, had lit your pants on fire.
23. **RRC:** The tourists saw that the fisherman who I suspect was from Maine caught a massive lobster.
- ARC:** The tourists saw that the fisherman, who I suspect was from Maine, caught a massive lobster.
- ARC+PAREN:** The tourists saw that the fisherman, who -- I suspect -- was from Maine, caught a massive lobster.
24. **RRC:** Terry heard that the teacher who he thinks is the best at the school was caught helping a student cheat.

- ARC:** Terry heard that the teacher, who he thinks is the best at the school, was caught helping a student cheat.  
**ARC+PAREN:** Terry heard that the teacher, who -- he thinks -- is the best at the school, was caught helping a student cheat.
25. **RRC:** The bellboy noticed that the hotel guests who I believe were from Dubai actually spoke Moroccan Arabic.  
**ARC:** The bellboy noticed that the hotel guests, who I believe were from Dubai, actually spoke Moroccan Arabic.  
**ARC+PAREN:** The bellboy noticed that the hotel guests, who -- I believe -- were from Dubai, actually spoke Moroccan Arabic.
26. **RRC:** The warden didn't see that the prisoner who we think was wrongly imprisoned had been featured in a newspaper article.  
**ARC:** The warden didn't see that the prisoner, who we think was wrongly imprisoned, had been featured in a newspaper article.  
**ARC+PAREN:** The warden didn't see that the prisoner, who -- we think -- was wrongly imprisoned, had been featured in a newspaper article.
27. **RRC:** Bobby discovered that the babysitter who his mom thinks is very strict actually let him stay up really late.  
**ARC:** Bobby discovered that the babysitter, who his mom thinks is very strict, actually let him stay up really late.  
**ARC+PAREN:** Bobby discovered that the babysitter, who -- his mom thinks -- is very strict, actually let him stay up really late.
28. **RRC:** Granny overheard that the nurse who we believe is very kind had come down with the flu.  
**ARC:** Granny overheard that the nurse, who we believe is very kind, had come down with the flu.  
**ARC+PAREN:** Granny overheard that the nurse, who -- we believe -- is very kind, had come down with the flu.
29. **RRC:** The gardener believed that the neighbors who John suspected were from out of state had stolen the peonies.  
**ARC:** The gardener believed that the neighbors, who John suspected were from out of state, had stolen the peonies.  
**ARC+PAREN:** The gardener believed that the neighbors, who -- John suspected -- were from out of state, had stolen the peonies.
30. **RRC:** Yolandi never noticed that the teacher who Peter thought was a nice guy made lots of grading mistakes.  
**ARC:** Yolandi never noticed that the teacher, who Peter thought was a nice guy, made lots of grading mistakes.  
**ARC+PAREN:** Yolandi never noticed that the teacher, who -- Peter thought -- was a nice guy, made lots of grading mistakes.
31. **RRC:** We all heard that the drummer who Kelly said gave mean drum solos decided to quit the band.

**ARC:** We all heard that the drummer, who Kelly said gave mean drum solos, decided to quit the band.

**ARC+PAREN:** We all heard that the drummer, who -- Kelly said -- gave mean drum solos, decided to quit the band.

32.

**RRC:** Susie knows that the young man who I believe is currently living in Afghanistan called at midnight.

**ARC:** Susie knows that the young man, who I believe is currently living in Afghanistan, called at midnight.

**ARC+PAREN:** Susie knows that the young man, who -- I believe -- is currently living in Afghanistan, called at midnight.