

Classical Conversations Schedule for using *Discovering Design with Chemistry*

Classical Conversations (CC) uses *Exploring Creation with Chemistry, 3rd Edition* (ECC), which is a problematic text (see reviews on www.christianbook.com). For those who want a reliable text, here is how you can use *Discovering Design With Chemistry* (DDC) and stay consistent with the CC schedule.

Weeks 1-2: Do Chapter 1.

CC does ECC's Experiment 1.3 in Week 2's class, which is similar to DDC's Experiment 1.1. CC says to do ECC's Experiment 1.1 and 1.2 at home. DDC's Experiment 1.2 is better (and uses only household items), so you should do that if you can.

Weeks 3-4: Do Chapter 2 as well as the sections found in Chapter 3, pp. 67-68, Chapter 4, pp. 112-114, Chapter 5, pp. 134-135

CC does ECC's Experiment 2.1 in Week 3's class, which is similar to DDC's Experiment 2.2. Make sure you have read up to that experiment before Week 3's class. CC does ECC's Experiment 2.2 in Week 4's class, which is similar to DDC's Experiment 4.3. It also does ECC's Experiment 2.3 in that class, which is similar to DDC's Experiment 2.1. To be prepared for CC's Week 4 class, cover the sections from Chapters 3-5 listed above. Also, the student needs to know that a compound containing at least one metal and one nonmetal is ionic. If the compound has only nonmetals, it is covalent. When you name ionic compounds, you list the name of the metal followed by the name of the nonmetal with an "ide" ending in place of the normal ending. For example, Na_2S is sodium sulfide, since the metal is sodium, and the nonmetal is sulfur.

Weeks 5-6: Do the rest of Chapter 3 as well as the sections in Chapter 4, pp. 97-108

CC says to do ECC's Experiment 3.1 at home in Week 5. It's fine, but DDC's Experiment 3.1 and 3.2 are much better. However, you do need the DDC kit for DDC's Experiment 3.2. CC does ECC's Experiment 3.2 in class. There is nothing similar in DDC, but the student will be prepared for it from the reading in DDC's Chapter 3.

Week 7: Do the rest of Chapter 4 as well as the sections in Chapter 5, pp. 127-142

CC does no experiments in class. DDC's Experiments 4.1 and 4.2 are good (especially 4.1) and can be done at home with just household items.

Weeks 8-9: Do the section in Chapter 8, pp. 243-247, as well as finish Chapter 5

You need to do the section in Chapter 8 first, since it covers the material in the first part of ECC's Module 5. CC does ECC's Experiment 5.1 in Week 8's class, which is similar to DDC's Experiment 5.1. It does ECC's Experiment 5.2 in Week 9's class, which is similar to DDC's Experiment 5.2.

Weeks 10-11: The sections in Chapter 6, pp. 161-181 and review density in Chapter 1, pp. 25-26

CC does ECC's Experiment 6.1 in Week 10's class. It is unlike any experiment in DDC, but the student will be ready for it. CC does ECC's Experiment 6.4 in Week 11's class, which is similar to DDC's Experiment 1.3. DDC's Experiment 6.2 is good, and you should consider doing it at home.

Week 12: Chapter 6, the sections in pp. 181-188 and the sections in Chapter 7, pp. 197-206

CC does ECC's Experiment 7.1 in Week 12's class, which is not similar to anything in DDC. However, it is a good experiment. DDC's Experiments 6.1, 6.3, 6.4, and 7.1 are good, and you should consider doing them at home. However, you need DDC's kit to do 6.3 and 7.1.

Weeks 13-14: Finish Chapter 7 and do all but the last section in Chapter 8.

CC does ECC's Experiment 8.1 in Week 14's class, which is similar to DDC's Experiment 7.2. DDC's Experiment 8.1 is good and can be done with household items.

Weeks 16-17: The sections in Chapter 11, pp. 325-337, the sections in Chapter 9, pp. 266-272, and the rest of Chapter 11

CC does ECC's Experiment 9.1 in Week 16's class, which is similar to DDC's Experiment 11.1. It does ECC's Experiment 9.2 in Week 17's class, which is similar to DDC's Experiment 11.3. DDC's Experiment 11.2 is good to do, and it can be done with only household supplies if you just skip the sodium hydroxide steps.

Week 18: Do all the sections in Chapter 9 that you have not done already

CC does ECC's Experiments 10.1-10.4 in Week 18's class. The first two are similar to DDC's Experiment 9.1. ECC's Experiment 10.3 has no similar experiment in DDC, but ECC's 10.4 is similar to DDC's 9.4. DDC's experiment 9.3 is good to do, and it just requires denatured alcohol, which is available in most hardware stores that sell paint. In the People's Republic of California, you must use liquid alcohol stove fuel or 90% isopropyl alcohol, since denatured alcohol has been banned as one of the "sacrifices for the benefit of all."

Weeks 19-20: Do all of Chapter 10

CC does ECC's Experiments 11.1 and 11.2 in Week 20's class. ECC's experiment 11.1 doesn't work with the kit that comes with ECC. You need a mass scale that is accurate to 0.1 g to get that experiment to work. ECC's Experiment 11.2 is similar to DDC's 10.4. DDC's Experiments 10.1 and 10.2 are good and can be done with household materials.

Week 21: Do all of Chapter 13

CC does ECC's Experiments 12.1 and 12.2 in Week 21's class. There is nothing similar to ECC's 12.1 in DDC, but the student will be ready for it. ECC's 12.2 is similar to DDC's 13.2. DDC's Experiments 13.1, 13.3, and 13.4 are good, and they use only household items.

Weeks 22-23: Do all of Chapter 14

CC does ECC's Experiment 13.1 in Week 22's class, which is similar to DDC's Experiment 14.1. DDC's Experiment 14.2 is quick and easy and can be done with household materials.

Weeks 24-25: Do all of Chapter 15

CC does ECC's Experiment 14.1 in Week 24's class, which is similar to DDC's Experiment 15.1. It does ECC's Experiment 14.2 in Week 25's class, which is similar to DDC's Experiment 15.2.

Weeks 26-27: Do all of Chapter 16 and review the pH scale in Chapter 11 (pp. 337-339)

CC does ECC's Experiments 15.1 and 15.2 in Week 27's class, which are similar to DDC's Experiments 16.1 and 16.3. DDC's Experiment 16.2 is good, but it requires the kit that comes with DDC.

Weeks 28-29: Do all of Chapter 12

CC does ECC's Experiments 16.1 in Week 28's class, which is similar to DDC's Experiment 12.1. It does ECC's Experiment 16.2 in Week 29's class, which is similar to DDC's Experiment 12.2. DDC's Experiment 12.3 is good and can be done with household items.