**Earth Science 2013-2014 Unit Planner**

**Unit 6: Weathering, Erosion, Deposition, and Soil**

**The Big Idea:**

Instead of spending class time taking notes, we’ll focus our class time on labs and understanding concepts. Of course, you will still need notes to help you get the basics of concepts and to help you study. So, the lecture and notes will be online. You can find the links on the class website. The best part is that you can go back and re-watch things you didn’t understand at first, and you don’t have to worry about missing important notes during class if you’re absent.

This idea is called the **Flipped Class**. We are going to try it out for this unit and see how it goes. You will have a chance to give me feedback at the end of the unit through a survey. Your parents will have a chance to fill out a survey as well. Of course, I’ll also be using your test scores as feedback, too. You should be able to watch the videos on a computer, tablet, or mobile device. Remember, if you have trouble viewing at home, it is your responsibility to use the school resources (media center and student computers during homeroom).

Items in bold should be completed at home. The labs will be completed in class. If you use your time wisely, you should be able to complete the labs in class. However, you may have to finish a few things at home if don’t finish in class.

Please note: due dates are subject to change as discussed in class. They may be moved forward or back depending on the in class progress we are making. This is an experiment, so please be flexible. TWIST assignments may vary slightly in order to give us a chance to work on our projects in class.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Concept # | What we are learning | Mandatory Work | Optional Practice | Due Date | Chap. & SectionCh:Sec | Standard |
| 0 | Weathering, Erosion, Deposition Overview | 1. **WED Chant video**
2. **WED chant lyrics on page 71**
 |  | 12/04 | 10, 11, and 12 | 17c |
| 1 | Types of Weathering | 1. **Video and Notes Foldable (page 72)**
2. Weathering article and writing (page 73)
 | IT pages 167-172 | 12/0512/06 | 10:1 | 17c |
| 2 | Weathering Rates | 1. **IT pages 173-176**
2. **Video and Notes (page 74)**
3. Weathering Rates lab (page 75)
 |  | 12/0612/0612/09 | 10:2 | 17c |
| 3 | Flow of Freshwater | 1. **Video and notes (page 76)**
2. Stream Table lab (page 77)
 | IT pages 187-198 & 203 | 12/0912/09 | 11:1-3 | 17c1 |
| 4 | Erosion and Deposition | 1. **Video and notes (page 78)**
2. WED lab (page 79)
 | IT pages 211-228 | 12/1012/10 | 12:all | 17c |
| 5 | Erosion Prevention | 1. **Video and notes (page 80)**
2. Reading for Meaning article and discussion (page 81)
 |  | 12/1112/11 |  | 17d |
| 6 | Soil Formation | 1. **Video and notes (page 82)**
2. Soil Formation lab (page 83)
 | IT pages 177-182 | 12/1212/12 | 10:3 | 16c |

**Quiz over Concepts 1 and 2: December 9**

**Quiz over Concepts 4 and 5: December 16**

**You will have a Test covering all concepts:**