

WCPSS 4th Grade Science Curriculum Map

WCPSS Science units are designed using the Understanding by Design framework. Stage 1 identifies and unpacks what students should know and be able to do according to the North Carolina Essential Standards for Science. Stage 2 provides assessment examples to show if students have mastered standards. Stage 3 is a collection of standards aligned learning experiences and resources to be used for instructional purposes.

Strand	Molecular Biology	Force and Motion	Energy Conservation and Transfer	Matter: Properties and Change	Earth History	Earth in the Universe	Ecosystems
UbD Unit Title	Food: Vitamins, Minerals & Exercise	Force and Motion: Magnets & Electric Charge	Forms & Interactions of Energy	Matter, Rocks and Minerals	Changes on Earth	Day, Night, & Phases of the Moon	Responding to Change in our Environment
<i>Sample</i> Timeframe	4-4.5 weeks	4.-4.5 weeks	5.5-6 weeks	5.5-6 weeks	5-5.5 weeks	4-5 weeks	5-5.5 weeks
<i>Suggested</i> Report Qtr.	1st Quarter	1st- 2nd Quarter	2nd Quarter	2nd -3rd Quarter	3rd Quarter	3rd-4th Quarter	4th Quarter
NC Essential Standards and Clarifying Objectives (*integrated standard)	4.L.2 4 L. 2.1 4 L. 2.2	4.P.1 4 P 1.1 4 P 1.2	4.P.3 4 P 3.1 4 P 3.2	4.P.2 4 P 2.1 4 P 2.2 4 P 2.3	4.E.2 4 E 2.1 4 E 2.2 4.E.2.3	4.E.1 4 E 1.1 4 E 1.2	4.L.1 4 L 1.1 4 L 1.2 4 L. 1.3 4 L. 1.4

- **NC Essential Standards for Science:** Assessed standards stating what students should know, understand, and be able to do by the end of the unit.
- **Integrated Standards:** NC Essential Standards that are integrated into another unit
- **Sample Time Frame:** Due to units overlapping the end of nine weeks, teachers may adjust reporting quarter as needed or report on taught standards of a unit for two consecutive quarters.