

Elements of Dialing 2026 Schedule and Syllabus

	NASS Emails	First Zoom Session	NASS Emails	Second Zoom Session	Quiz Answers Due
	Lesson Material	at 4pm EST	Practice Answers	at 4pm EST	
Lesson 1	Wed, 28-Oct-2026	Sun, 01-Nov-2026	Wed, 04-Nov-2026	Sat, 07-Nov-2026	Tue, 10-Nov-2026
Lesson 2	Wed, 11-Nov-2026	Sat, 14-Nov-2026	Wed, 18-Nov-2026	Sun, 22-Nov-2026	Tue, 24-Nov-2026
Lesson 3	Wed, 25-Nov-2026	--	Wed, 02-Dec-2026	Sun, 06-Dec-2026	Tue, 08-Dec-2026
Lesson 4	Wed, 09-Dec-2026	Sat, 12-Dec-2026	Wed, 16-Dec-2026	Sun, 20-Dec-2026	Tue, 22-Dec-2026
Lesson 5	Wed, 23-Dec-2026	--	Wed, 30-Dec-2026	Sun, 03-Jan-2027	Tue, 05-Jan-2027
Lesson 6	Wed, 06-Jan-2027	Sat, 09-Jan-2027	Wed, 13-Jan-2027	Sun, 17-Jan-2027	Tue, 19-Jan-2027
Lesson 7	Wed, 20-Jan-2027	Sat, 23-Jan-2027	Wed, 27-Jan-2027	Sun, 31-Jan-2027	Tue, 02-Feb-2027
Lesson 8	Wed, 03-Feb-2027	Sat, 06-Feb-2027	Wed, 10-Feb-2027	Sun, 14-Feb-2027	Tue, 16-Feb-2027
Lesson 9	Wed, 17-Feb-2027	Sat, 20-Feb-2027	Wed, 24-Feb-2027	Sun, 28-Feb-2027	Tue, 02-Mar-2027
	EST	EST	EST	EDT	EDT
Lesson 10	Wed, 03-Mar-2027	Sat, 06-Mar-2027	Wed, 10-Mar-2027	Sun, 14-Mar-2027	Tue, 16-Mar-2027
	EDT	EDT	EDT	EDT	EDT
Lesson 11	Wed, 17-Mar-2027	Sat, 20-Mar-2027	Wed, 24-Mar-2027	Sun, 28-Mar-2027	Tue, 30-Mar-2027
	EDT	EDT	EDT	EDT	EDT
Lesson 12	Wed, 31-Mar-2027	Sat, 03-Apr-2027	Wed, 07-Apr-2027	Sun, 11-Apr-2027	Tue, 13-Apr-2027

Lesson 1	What is a sundial, Sun's place in the Sky, The heliocentric model Solar noon, sun's altitude and azimuth Length of the day, find solar noon, time zones
Lesson 2	A bit of trigonometry – measuring the circumference of the earth Latitude and Longitude Celestial coordinates – Declination and Right Ascension
	More on basic trigonometric functions
Lesson 3	Sidereal and Solar Time and the hour angle Equatorial sundial in various forms Armillary Sphere
Lesson 4	Earth's orientation in space Seasons and the hours of daylight Sun declination, date, and altitude A little more trigonometry

PLEASE NOTE:

Attending Zoom Sessions is
Optional (but may be helpful)

**Submitting the Lesson Quiz is
Mandatory to Receive the Next
Lesson**

Certificate Awarded for
completing all 12 Lessons

Lesson 5	Playing with sundials. Horizontal sundials, Vertical sundials Vertical declining sundials Reclining and Inclining sundials Pocket sundials – Diptych dials and more Multiple or Polyhedral Sundials
Lesson 6	Sundial construction: Equatorial, Horizontal, Vertical dials Graphical construction of a sundial Polar Sundial What size of gnomon? Shadow Planes
Lesson 7	Sundials with date lines Horizontal, vertical and polar dials with a nodus Dials with altitude lines and other embellishments
Lesson 8	Sidereal Time and earth rotation Solar Time and earth's rotation with respect to the sun Explanation of the Equation of Time The analemma: combining The Equation of Time and Solar Declination Sundials that correct solar time to civil time
Lesson 9	Spherical sundials, the terrella, and scaphe sundials Cylindrical sundials – polar and vertical Oddly shaped sundials
Lesson 10	Analemmatic Sundials, Zodiac Walkway, Seasonal Markers Combination Sundials Foster-Lambert Sundials Other Analemmatic Dial Constructions Spider Sundials Altitude Dials – Cylindrical and Ring Dials Ring Dials and Quadrants Astrolabes
Lesson 11	Sun Alignments - Nabta Playa, Stonehenge, Newgrange Several Dials from Egypt Babylonian Tables Greek and Roman Sundials Antikythera Machine Other Ancient Sundials Renaissance – Church and Meridiane
Lesson 12	Reflection Sundials Sundials in Art Sundials as Art and Statuary Interviews with Dialists Modern Sundials