

Across

1. Mathematical approximation (2 words)
8. A joke by Williams and Carter (abbr.)
11. Jupiter's innermost moon
12. Japanese noodle
13. Perfect focus spot
14. Liquid for vacuum maintenance
17. Me
19. Indentation
20. US Representative nickname (abbr.)
21. Machine learning (abbr.)
22. Allow
23. Mistakes
26. Famous TEM textbook author
28. Wrongdoing
30. Recently received a confocal microscope (abbr.)
32. *Second Life* scripting language (abbr.)
33. Homestate of M&M 2021
35. Onomatopoeia of laughter
37. Immunology society (abbr.)
39. In STEM, determines information acquired
45. Website (abbr.)
46. Eardrum
47. University of Tulsa (abbr.)
49. Pressure unit
51. Many kids' favorite class (abbr.)
52. Protochips, Hummingbird, DENSsolutions, etc.
54. Wake up to this
57. Distortion named for astronomical object
58. Big exams
61. High
63. Before noon (abbr.)
64. Hollow organ (pl.)
65. Spectroscopy of what's missing (abbr.)
67. Coating
69. Fraction
70. Vintage EDS detector material
71. Bright if under, dark if over
72. Stannum (lat.)

Down

1. Cryo TEM technique (pl.)
2. In TEM, deceitful fringes
3. 2018 Italian film
4. Electrons for surface analysis
5. Almost meeting one's end (abbr.)
6. Tilter
7. Base e operator (abbr.)
8. NYU School for the Arts
9. Military food (abbr.)
10. Rules
13. Chris Brown song
15. Potato snack (pl.)
16. Sample cleaning device
17. Weight divided by g
18. Bright, coherent electron source
24. Titaness, daughter of Uranus
25. Smallest state (abbr.)
27. First name of french collection agency
29. Having to do with velocity change
31. Opening for spot patterns (abbr., 2 words)
34. Redirecting electron motion (abbr.)
35. Acceleration voltage (abbr.)
36. Otorhinolaryngology (abbr.)
38. Second Author for *Microscopy Today* **20**(1), 2012, 36-40
40. TEM grid metal (abbr.)
41. Figure
42. Iowa State Univ. Mascot
43. Detector from Cornell (abbr.)
44. Factorization method in linear algebra (abbr.)
48. Card game
50. Father of modern pathology
53. Wiley journal for the microscopic
54. Awe
55. Citrus (pl.)
56. Conductor
59. Gene for rearranging (abbr.)
60. Medical imaging (abbr., pl.)
62. Thyroglobulin (abbr.)
66. Ionization energy (abbr.)
68. Plasma cleaning gas (abbr.)