
8

Common Core Standards

Common Core Middle School Math Standards

| Standard | Circuits | MS | HS | PWM | V drop & resistance |
|-----------|----------|---------|------------------|-----|---------------------|
| 4.OA.1 | 10 | 2, 3 | 1, 8 | yes | v drop |
| 4.OA.2 | 6, 9 | | | yes | |
| 4.OA.3 | | | | | |
| 4.OA.4 | | | | | |
| 4.OA.5 | 10 | 2, 3 | 1, 8, 10 | yes | v drop |
| 4.NBT.1 | | | | | |
| 4.NBT.2 | | | | | |
| 4.NBT.3 | | | | | |
| 4.NBT.4 | | | | | |
| 4.NBT.5 | | | | | |
| 4.NBT.6 | | | | | |
| 4.NF.1 | | | | yes | |
| 4.NF.2 | | | 8 | yes | |
| 4.NF.3.a | | 2 | | yes | v drop |
| 4.NF.3.b | | 2 | | yes | |
| 4.NF.3.c | | | | | |
| 4.NF.3.d | | | | | |
| 4.NF.4.a | | | | | |
| 4.NF.4.b | | | | | |
| 4.NF.4.c | | | | | |
| 4.NF.5 | | | | | |
| 4.NF.6 | | | | | |
| 4.NF.7 | | | | | |
| 4.MD.1 | | 2, 3, 7 | 1, 10, 13, 14 | yes | |
| 4.MD.2 | | | | | |
| 4.MD.3 | | | | | |
| 4.MD.4 | | | | | |
| 4.MD.5.a | | | | | |
| 4.MD.5.b | | | | | |
| 4.MD.6 | | | | | |
| 4.MD.7 | | | | | |
| 4.G.1 | | | | | |
| 4.G.2 | | | | | |
| 4.G.3 | | | | | |
| 5.OA.1 | 10 | | | | |
| 5.OA.2 | | | | yes | |
| 5.OA.3 | | | | | |
| 5.NBT.1 | | | | | |
| 5.NBT.2 | | | | | |
| 5.NBT.3.a | | | | | |
| 5.NBT.3.b | | | | | |
| 5.NBT.4 | | | | | |
| 5.NBT.5 | | | | | |
| 5.NBT.6 | | | | | |

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|--|----------|------------------|----------------------|-----|---------------------|
| Standard | Circuits | MS | HS | PWM | V drop & resistance |
| 5.NBT.7 | | | | | |
| 5.NF.1 | | | | | |
| 5.NF.2 | | | | yes | |
| 5.NF.3 | | | | | |
| 5.NF.4.a | | | | | |
| 5.NF.4.b | | | | | |
| 5.NF.5.a | | 2, 3 | 8 | yes | v drop |
| 5.NF.5.b | | | | | |
| 5.NF.6 | | | | | |
| 5.NF.7.a | | | | yes | |
| 5.NF.7.b | | | | | |
| 5.NF.7.c | | | 10 | yes | |
| 5.MD.1 | 10 | 1, 2, 3, 6, 7 | 1, 10, 11, 13, 14 | yes | |
| 5.MD.2 | | | | yes | |
| 5.MD.3.a | | | | | |
| 5.MD.3.b | | | | | |
| 5.MD.4 | | | | | |
| 5.MD.5.a | | | | | |
| 5.MD.5.b | | | | | |
| 5.MD.5.c | | | | | |
| 5.G.1 | | | | | |
| 5.G.2 | | | | | |
| 5.G.3 | | | | | |
| 5.G.4 | | | | | |
| 6.RP.1 | | 2, 3 | 8 | yes | |
| 6.RP.2 | | | 8, 10 | yes | |
| 6.RP.3.a | | | 8 | yes | |
| 6.RP.3.b | | | | | |
| 6.RP.3.c | | 2, 3 | 8 | yes | |
| 6.RP.3.d | | 1, 2, 3, 4, 6, 7 | 1, 8, 10, 11, 13, 14 | yes | |
| 6.NS.1 | | | | | |
| 6.NS.2 | | | | | |
| 6.NS.3 | | | | | |
| 6.NS.4 | | | | | |
| 6.NS.5 | | | | | |
| 6.NS.6.a | | | | | |
| 6.NS.6.b | | | | | |
| 6.NS.6.c | | | | | |
| 6.NS.7.a | | | | | |
| 6.NS.7.b | | | | | |
| 6.NS.7.c | | | | | |
| 6.NS.7.d | | | | | |
| 6.NS.8 | | | | | |

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| Standard | Circuits | MS | HS | PWM | V drop & resistance |
|----------|----------|------------------|-------------------|-----|---------------------|
| 6.EE.1 | | 1, 2, 3, 4, 6, 7 | 1, 10, 11, 13, 14 | yes | |
| 6.EE.2.a | | 1, 2, 3, 4, 6, 7 | 1, 10, 11, 13, 14 | yes | |
| 6.EE.2.b | | | | | |
| 6.EE.2.c | | 1, 2, 3, 4, 6, 7 | 1, 10, 11, 13, 14 | yes | |
| 6.EE.3 | | | | | v drop |
| 6.EE.4 | | | | | |
| 6.EE.5 | | | | | |
| 6.EE.6 | | 1, 2, 3, 4, 6, 7 | 1, 10, 11, 13, 14 | yes | v drop |
| 6.EE.7 | | 1, 2, 3, 4, 6, 7 | 1, 10, 11, 13, 14 | yes | |
| 6.EE.8 | | | | | |
| 6.EE.9 | | 1, 2, 3, 4, 6, 7 | 1, 10, 11, 13, 14 | yes | v drop |
| 6.G.1 | | | | | |
| 6.G.2 | | | | | |
| 6.G.3 | | | | | |
| 6.G.4 | | | | | |
| 6.SP.1 | | | | | |
| 6.SP.2 | | | | | |
| 6.SP.3 | | | | | |
| 6.SP.4 | | | | | |
| 6.SP.5.a | | | | | |
| 6.SP.5.b | | | | | |
| 6.SP.5.c | | | | | |
| 6.SP.5.d | | | | | |
| 7.RP.1 | | | | | |
| 7.RP.2.a | 10 | 1, 2, 3, 4, 6, 7 | 1, 2, 8, 10, 14 | yes | |
| 7.RP.2.b | | | | yes | |
| 7.RP.2.c | 10 | 1, 2, 3, 4, 6, 7 | 1, 2, 8, 10, 14 | yes | v drop |
| 7.RP.2.d | | | | yes | |
| 7.RP.3 | 10 | 2, 3 | 10, 14 | yes | |
| 7.NS.1.a | | | | | |
| 7.NS.1.b | | | | | |
| 7.NS.1.c | | | | | |
| 7.NS.1.d | | | | | |
| 7.NS.2.a | | | | | |
| 7.NS.2.b | | | | | |
| 7.NS.2.c | | | | | |
| 7.NS.2.d | | | | | |
| 7.NS.3 | | | | | |
| 7.EE.1 | | | | | |

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| Standard | Circuits | MS | HS | PWM | V drop & resistance |
| 7.EE.2 | | 1, 2, 3, 4, 6, 7 | 1, 11, 13, 14 | yes | |
| 7.EE.3 | 10 | 1, 2, 3, 4, 6, 7 | 1, 11, 13, 14 | yes | |
| 7.EE.4.a | | | | | |
| 7.EE.4.b | | | | | |
| 7.G.1 | | | | | |
| 7.G.2 | | | | | |
| 7.G.3 | | | | | |
| 7.G.4 | | | | | |
| 7.G.5 | | | | | |
| 7.G.6 | | | | | |
| 7.SP.1 | | | | | |
| 7.SP.2 | 10 | | | | |
| 7.SP.3 | | | | | |
| 7.SP.4 | | | | | |
| 7.SP.5 | | | | | |
| 7.SP.6 | | | | | |
| 7.SP.7.a | | | | | |
| 7.SP.7.b | | | | | |
| 7.SP.8.a | | | | | |
| 7.SP.8.b | | | | | |
| 7.SP.8.c | | | | | |
| 8.NS.1 | | | | | |
| 8.NS.2 | | | | | |
| 8.EE.1 | | | | | |
| 8.EE.2 | | | | | |
| 8.EE.3 | | | | | |
| 8.EE.4 | | | | | |
| 8.EE.5 | | | | yes | |
| 8.EE.6 | | | | | |
| 8.EE.7.a | 10 | | 10 | yes | |
| 8.EE.7.b | | | | | |
| 8.EE.8.a | | | | | |
| 8.EE.8.b | | | | | |
| 8.EE.8.c | | | | | |
| 8.F.1 | 10 | 2, 3 | 8, 10 | yes | |
| 8.F.2 | | | | yes | |
| 8.F.3 | | | | yes | |
| 8.F.4 | | | 8, 10 | yes | |
| 8.F.5 | | | | yes | |
| 8.G.1.a | | | | | |
| 8.G.1.b | | | | | |
| 8.G.1.c | | | | | |
| 8.G.2 | | | | | |
| 8.G.3 | | | | | |

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| Standard | Circuits | Middle S. Worksheets | High S. Worksheets | PWM | Add. Electrical |
|-----------|----------|--------------------------|--------------------------------|-----|-----------------|
| N.RN.1 | | | | | |
| N.RN.2 | | | | | |
| N.RN.3 | | | | | |
| N.Q.1 | 10 | 1, 2, 3, 4, 6, 7, 12, 14 | 1, 3, 6, 8, 10, 11, 12, 13, 14 | yes | resist., v drop |
| N.Q.2 | | | 8, 10, 13, | yes | |
| N.Q.3 | 10 | 1, 2, 3, 4, 6, 7, 12 | 1, 3, 8, 10, 11, 12, 13, 14, | yes | resist, v drop |
| N.CN.1 | | | | | |
| N.CN.2 | | | | | |
| N.CN.3 | | | | | |
| N.CN.4 | | | | | |
| N.CN.5 | | | | | |
| N.CN.6 | | | | | |
| N.CN.7 | | | | | |
| N.CN.8 | | | | | |
| N.CN.9 | | | | | |
| N.VM.1 | | | | | |
| N.VM.2 | | | | | |
| N.VM.3 | | | | | |
| N.VM.4.a | | | | | |
| N.VM.4.b | | | | | |
| N.VM.4.c | | | | | |
| N.VM.5.a | | | | | |
| N.VM.5.b | | | | | |
| N.VM.6 | | | | | |
| N.VM.7 | | | | | |
| N.VM.8 | | | | | |
| N.VM.9 | | | | | |
| N.VM.10 | | | | | |
| N.VM.11 | | | | | |
| N.VM.12 | | | | | |
| A.SSE.1.a | 10 | 1, 2, 3, 4, 6, 7 | 1, 3, 8, 10, 11, 13, 14 | yes | v drop |
| A.SSE.1.b | | | | | |
| A.SSE.2 | | 1, 2, 3, 4, 6, 7 | 1, 3, 8, 10, 11, 13, 14 | | v drop |
| A.SSE.3.a | | | | | |
| A.SSE.3.b | | | | | |
| A.SSE.3.c | | | | | |
| A.SSE.4 | | | | | |
| A.APR.1 | | | | | |
| A.APR.2 | | | | | |
| A.APR.3 | | | | | |
| A.APR.4 | | | | | |
| A.APR.5 | | | | | |
| A.APR.6 | | | | | |
| A.APR.7 | | | | | |
| A.CED.1 | 10 | 10 | 3, 8, 12 | yes | |
| A.CED.2 | 10 | 1, 2, 3, 4, 6, 7 | 1, 8, 10, 13, 14 | yes | resist |
| A.CED.3 | 9, 14 | | 9 | | |

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|--|----------|----------------------|----------------------|-----|----------------|
| Standard | Circuits | Middle S. Worksheets | High S. Worksheets | PWM | Add. Electrica |
| A.CED.4 | | 1, 2, 3, 4, 6, 7 | 1, 10, 11, 13, 14 | yes | |
| A.REI.1 | 10 | 1, 2, 3, 4, 6, 7 | 1, 8, 10, 11, 13, 14 | yes | |
| A.REI.2 | | | | | |
| A.REI.3 | | | 10 | yes | |
| A.REI.4.a | | | | | |
| A.REI.4.b | | | | | |
| A.REI.5 | 10 | | 10 | yes | |
| A.REI.6 | | | | | |
| A.REI.7 | | | | | |
| A.REI.8 | | | | | |
| A.REI.9 | | | | | |
| A.REI.10 | | | | | |
| A.REI.11 | | | | | |
| A.REI.12 | | | | | |
| F.IF.1 | 10 | | 8, 9, 10 | yes | |
| F.IF.2 | | | 8, 10 | yes | |
| F.IF.3 | | | | yes | |
| F.IF.4 | | | | yes | |
| F.IF.5 | | | | yes | |
| F.IF.6 | | | | | |
| F.IF.7.a | | | | yes | |
| F.IF.7.b | | | | | |
| F.IF.7.c | | | | | |
| F.IF.7.d | | | | | |
| F.IF.7.e | | | | | |
| F.IF.8.a | | | | | |
| F.IF.8.b | | | | | |
| F.IF.9 | | | | | |
| F.BF.1.a | | | | | |
| F.BF.1.b | | | | | |
| F.BF.1.c | | | | | |
| F.BF.2 | | | | | |
| F.BF.3 | | | | | |
| F.BF.4.a | | | | | |
| F.BF.4.b | | | | | |
| F.BF.4.c | | | | | |
| F.BF.4.d | | | | | |
| F.BF.5 | | | | | |
| F.LE.1.a | | | | | |
| F.LE.1.b | | | | | |
| F.LE.1.c | | | | | |
| F.LE.2 | | | | | |
| F.LE.3 | | | | | |
| F.LE.4 | | | | | |
| F.LE.5 | | | | | |
| F.TF.1 | | | | | |
| F.TF.2 | | | | | |
| F.TF.3 | | | | | |
| F.TF.4 | | | | | |

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| Standard | Circuits | Middle S. Worksheets | High S. Worksheets | PWM | Add. Electrica |
|-----------------|-----------------|-----------------------------|---------------------------|------------|-----------------------|
| F.TF.5 | | | | | |
| F.TF.6 | | | | | |
| F.TF.7 | | | | | |
| F.TF.8 | | | | | |
| F.TF.9 | | | | | |
| G.CO.1 | | | | | |
| G.CO.2 | | | | | |
| G.CO.3 | | | | | |
| G.CO.4 | | | | | |
| G.CO.5 | | | | | |
| G.CO.6 | | | | | |
| G.CO.7 | | | | | |
| G.CO.8 | | | | | |
| G.CO.9 | | | | | |
| G.CO.10 | | | | | |
| G.CO.11 | | | | | |
| G.CO.12 | | | | | |
| G.CO.13 | | | | | |
| G.SRT.1.a | | | | | |
| G.SRT.1.b | | | | | |
| G.SRT.2 | | | | | |
| G.SRT.3 | | | | | |
| G.SRT.4 | | | | | |
| G.SRT.5 | | | | | |
| G.SRT.6 | | | | | |
| G.SRT.7 | | | | | |
| G.SRT.8 | | | | | |
| G.SRT.9 | | | | | |
| G.SRT.10 | | | | | |
| G.SRT.11 | | | | | |
| G.C.1 | | | | | |
| G.C.2 | | | | | |
| G.C.3 | | | | | |
| G.C.4 | | | | | |
| G.C.5 | | | | | |
| G.GPE.1 | | | | | |
| G.GPE.2 | | | | | |
| G.GPE.3 | | | | | |
| G.GPE.4 | | | | | |
| G.GPE.5 | | | | | |
| G.GPE.6 | | | | | |
| G.GPE.7 | | | | | |
| G.GMD.1 | | | | | |
| G.GMD.2 | | | | | |
| G.GMD.3 | | | | | |
| G.GMD.4 | | | | | |
| G.MG.1 | | | | | |
| G.MG.2 | | | | | |
| G.MG.3 | | | | | |

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| Standard | Circuits | Middle S. Worksheets | High S. Worksheets | PWM | Add. Electrica |
|-----------------|-----------------|-----------------------------|---------------------------|------------|-----------------------|
| S.ID.1 | | | | yes | |
| S.ID.2 | | | | | |
| S.ID.3 | | | | | |
| S.ID.4 | | | | | |
| S.ID.5 | | | | | |
| S.ID.6.a | | | | | |
| S.ID.6.b | | | | | |
| S.ID.6.c | | | | | |
| S.ID.7 | | | | | |
| S.ID.8 | | | | | |
| S.ID.9 | | | | | |
| S.IC.1 | | | | | |
| S.IC.2 | | | | | |
| S.IC.3 | | | | | |
| S.IC.4 | | | | | |
| S.IC.5 | | | | | |
| S.IC.6 | | | | | |
| S.CP.1 | | | | | |
| S.CP.2 | | | | | |
| S.CP.3 | | | | | |
| S.CP.4 | | | | | |
| S.CP.5 | | | | | |
| S.CP.6 | | | | | |
| S.CP.7 | | | | | |
| S.CP.8 | | | | | |
| S.CP.9 | | | | | |
| S.MD.1 | | | | | |
| S.MD.2 | | | | | |
| S.MD.3 | | | | | |
| S.MD.4 | | | | | |
| S.MD.5.a | | | | | |
| S.MD.5.b | | | | | |
| S.MD.6 | | | | | |
| S.MD.7 | | | | | |