

## Boy Scout Merit Badges

Merit Badge	No. Required	Virginia SOL
American Business	5	VS 6.2d, 6.7g; 7.6a -7.8c; 8.7a; 9.5h-i; 10.12; 11.8c, d, 11.10a
American Culture	5	VS 5.1-5.8; 6.1a-6.9; 7.1b-7.10; 8.1a-8.9; 9.5h- 9.10j;10.4;11.1a-11.14; 12.1-12.18
American Heritage	5	VS 5.2a-5.8; 6.1a-6.9; 7.1b-7.10; 9.1a-9.10j;10.4;11.1a-11.14; 12.1-12.18
American Labor	10	VS 6.2d, 6.7g; 7.6a- 7.8c; 9.5h-i;10.12,10.13; 11.10a-e
Animal Science	6	S 5.1, 5.3, 5.6; 6.8, 6.9; 7LS.8, 7LS.9; 8PS.1; BIO.1, BIO.5, BIO.8
Archaeology	11	VS 5.1a- 5.3c; 6.1a, 6.9; 8.1a- 8.9; 9.1a- 9.10j;10.1a-10.15b
Archery	5	PE 5.1-5.6; 6.1-6.5; 7.1-7.5; 8.1-8.6; 9.1-9.5; 10.1-10.5; ELECTIVE 11/12.1-11/12.5
Architecture	5	VS 6.2d-e; 8.6e
Art	7	VA 5.1-5.19; 6.1-6.18; 7.1-7.14; 8.1-8.10; A I TO A IV ABILITY BASED
Astronomy	9	S 5.1, 5.6, 5.7; 6.1, 6.10; 7LS.1; 8PS.1, 8PS.4, 8PS.10; ES.1-ES.14
Athletics	5	PE 5.1-5.6; 6.1-6.5; 7.1-7.5; 8.1-8.6; 9.1-9.5; 10.1-10.5; ELECTIVE 11/12.1-11/12.5
Atomic Energy	6	S 5.4; 6.3-6.7; 8 PS.1-8 PS.11;CH.1-CH.6; PH.1-PH.14
Auto Mechanics	11	S 5.1;6.3, 6.4; 8 PS.2,8 PS.10; PH.5, PH.8
Aviation	7	S 6.1-6.3; PS.10; PH.1-PH.14
Backpacking	11	PE 5.1-5.6; 6.1-6.5; 7.1-7.5; 8.1-8.6; 9.1-9.5; 10.1-10.5; ELECTIVE 11/12.1-11/12.5
Basketry	2	VA 5.1-5.19; 6.1-6.18; 7.1-7.14; 8.1-8.10; A I TO A IV ABILITY BASED
Bird Study	8	S 5.5, 5.6; 6.8,6.9,6.11; 7LS.1-7 LS.14; BIO.1, BIO.5
Bugling	6	MU 5.1-5.11; 6.1-6.8; 7 MS.1- 7 MS.9; 9-12 HS.1-HS.9
Camping	10	PE 5.1-5.6; 6.1-6.5; 7.1-7.5; 8.1-8.6; 9.1-9.5; 10.1-10.5; ELECTIVE 11/12.1-11/12.5
Canoeing	10	PE 5.1-5.6; 6.1-6.5; 7.1-7.5; 8.1-8.6; 9.1-9.5; 10.1-10.5; ELECTIVE 11/12.1-11/12.5
Chemistry	9	S 5.4; 6.5-6.7; CH.1-CH.6
Cinematography	4	VA 5.1-5.19; 6.1-6.18; 7.1-7.14; 8.1-8.10; A I TO A IV ABILITY BASED
Citizen in the Community	10	VS 5.1a-5.8; 6.1a- 6.9; 7.1b-7.10; 9.5h-i;10.4;11.1a-11.14e
Citizen in the Nation	7	VS 5.1a; 6.1a- 6.9; 7.1b-7.10; 9.5h-l, 9.10k-j;10.4
Citizen in the World	9	VS 5.1; 6.1a- 6.9; 7.1b-7.10; 8.1a- 8.9; 9.1-9.10k;10.4;11.9a- 9d
Climbing	12	PE 5.1-5.6; 6.1-6.5; 7.1-7.5; 8.1-8.6; 9.1-9.5; 10.1-10.5; ELECTIVE 11/12.1-11/12.5

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Coin Collecting	4	E 5.1-5.8; 6.1-6.9; 7.1-7.10; 8.1-8.6; 9.1-9.8;10.1-10.10; 11.1-11.9; 12.1-12.8
Collections	8	E 5.1-5.8; 6.1-6.9; 7.1-7.10; 8.1-8.6; 9.1-9.8;10.1-10.10; 11.1-11.9; 12.1-12.8
Communications	8	E 5.1-5.8; 6.1-6.9; 7.1-7.10; 8.1-8.6; 9.1-9.8;10.1-10.10; 11.1-11.9; 12.1-12.8
Computers	9	E 5.1-5.8; 6.1-6.9; 7.1-7.10; 8.1-8.6; 9.1-9.8;10.1-10.10; 11.1-11.9; 12.1-12.8; CTR 5 & 8
Cooking	4	HE 5.1-5.5; 6.1-6.7; 7.1-7.5; 8.1-8.5; 9.1-9.5; 10.1-10.5
Crime Prevention	9	HE 5.1-5.5; 6.1-6.7; 7.1-7.5; 8.1-8.5; 9.1-9.5; 10.1-10.5
Cycling	9	PE 5.1-5.6; 6.1-6.5; 7.1-7.5; 8.1-8.6; 9.1-9.5; 10.1-10.5; ELECTIVE 11/12.1-11/12.5
Dentistry	7	HE 5.1-5.5; 6.1-6.7; 7.1-7.5; 8.1-8.5; 9.1-9.5; 10.1-10.5
Disabilities Awareness	6	HE 5.1-5.5; 6.1-6.7; 7.1-7.5; 8.1-8.5; 9.1-9.5; 10.1-10.5
Dog Care	9	S 5.5, 5.6; 6.8,6.9,6.11; 7LS.1-7 LS.14; BIO.1, BIO.5
Drafting	6	M 5.1-5.15; 6.1-6.17; 7.1-7.14; 8.1-8.11; ALGEBRA,GEOMETRY, CALCULAS
Electricity	11	S 5.1-5.4; 6.1-6.4; 8 PS.1- 8 PS.11; PH.1-PH.14
Electronics	5	S 5.1-5.4; 6.1-6.4; 8 PS.1- 8 PS.11; PH.1-PH.14
Emergency Preparedness	9	HE 5.1-5.5; 6.1-6.7; 7.1-7.5; 8.1-8.5; 9.1-9.5; 10.1-10.5
Energy	8	S 5.4; 6.3-6.7; 8 PS.1-8 PS.11;CH.1-CH.6; PH.1-PH.14
Engineering	9	M 5.1-5.15; 6.1-6.17; 7.1-7.14;8.1-8.11; ALGEBRA,GEOMETRY, CALCULAS
Entrepreneurship	6	VS 6.2d, 6.7g; 7.6a -7.8c; 8.7a; 9.5h-i; 10.12; 11.8c, d, 11.10a
Environmental Science	8	S 5.5, 5.6; 6.8, 6.9, 6.11; 7LS.1-7LS.14; 8PS.5; ES.1-ES.14; BIO.1-BIO.9
Family Life	6	HE 5.1-5.5; 6.1-6.7; 7.1-7.5; 8.1-8.5; 9.1-9.5; 10.1-10.5
Farm Mechanics	9	S 5.1; 6.3, 6.4; 8 PS.2, 8 PS.10; PH.5,PH.8
Fingerprinting	4	S 5.5; 6.1; 7LS.1- 7LS.3; BIO 5
Fire Safety	11	HE 5.1-5.5; 6.1-6.7; 7.1-7.5; 8.1-8.5; 9.1-9.5; 10.1-10.5
First Aid	7	HE 5.1-5.5; 6.1-6.7; 7.1-7.5; 8.1-8.5; 9.1-9.5; 10.1-10.5
Fish and Wildlife Management	7	S 5.5, 5.6; 6.8, 6.9, 6.11; 7LS.1-7LS.14; 8PS.5; ES.1-ES.14; BIO.1-BIO.9
Fishing	8	PE 5.1-5.6; 6.1-6.5; 7.1-7.5; 8.1-8.6; 9.1-9.5; 10.1-10.5; ELECTIVE 11/12.1-11/12.5
Forestry	7	S 5.5, 5.6; 6.8, 6.9, 6.11; 7LS.1-7LS.14; 8PS.5; ES.1-ES.14; BIO.1-BIO.9
Gardening	4	S 5.5, 5.6; 6.8, 6.9, 6.11; 7LS.1-7LS.14; 8PS.5; ES.1-ES.14; BIO.1-BIO.9
Genealogy	10	VS 6.1a-6.9
Geology	13	S 5.6, 5.7; 6.6; 8PS.4; ES.1-ES.14; CH.2, CH.3
Golf	7	PE 5.1-5.6; 6.1-6.5; 7.1-7.5; 8.1-8.6; 9.1-9.5; 10.1-10.5; ELECTIVE 11/12.1-11/12.5
Graphic Arts	7	VA 5.1-5.19; 6.1-6.18; 7.1-7.14; 8.1-8.10; A I TO A IV ABILITY BASED
Hiking	7	PE 5.1-5.6; 6.1-6.5; 7.1-7.5; 8.1-8.6; 9.1-9.5; 10.1-10.5; ELECTIVE 11/12.1-11/12.5
Home Repairs	29	S 5.1; 6.3, 6.4; 8 PS.2, 8 PS.10; PH.5,PH.8

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Horsemanship	10	S 5.5, 5.6; 6.8, 6.9, 6.11; 7LS.1-7 LS.14; BIO.1, BIO.5
Indian Lore	4	VS 5.1a- 5.1c; 6.1a; 7.1a, 7.1b; 8.8e; 10.2a; 11.1a
Insect Study	11	S 5.5, 5.6; 6.8, 6.9, 6.11; 7LS.1-7 LS.14; BIO.1, BIO.5
Journalism	4	E 5.1-5.8; 6.1-6.9; 7.1-7.10; 8.1-8.6; 9.1-9.8;10.1-10.10; 11.1-11.9; 12.1-12.8
Landscape Architecture	6	S 5.5, 5.6; 6.8,6.9,6.11; 7LS.1-7 LS.14; BIO.1, BIO.5
Law	10	E 5.1-5.8; 6.1-6.9; 7.1-7.10; 8.1-8.6; 9.1-9.8; 10.1-10.10; 11.1-11.9; 12.1-12.8
Leatherwork	4	VA 5.1-5.19; 6.1-6.18; 7.1-7.14; 8.1-8.10; A I TO A IV ABILITY BASED
Lifesaving	15	HE 5.1-5.5; 6.1-6.7; 7.1-7.5; 8.1-8.5; 9.1-9.5; 10.1-10.5
Mammal Study	5	S 5.5, 5.6; 6.8,6.9,6.11; 7LS.1-7 LS.14; BIO.1, BIO.5
Medicine	10	HE 5.1-5.5; 6.1-6.7; 7.1-7.5; 8.1-8.5; 9.1-9.5; 10.1-10.5
Metal Work	2	VA 5.1-5.19; 6.1-6.18; 7.1-7.14; 8.1-8.10; A I TO A IV ABILITY BASED
Model Design and Building	5	VA 5.1-5.19; 6.1-6.18; 7.1-7.14; 8.1-8.10; A I TO A IV ABILITY BASED
Motorboating	6	PE 5.1-5.6; 6.1-6.5; 7.1-7.5; 8.1-8.6; 9.1-9.5; 10.1-10.5; ELECTIVE 11/12.1-11/12.5
Music	4	MU 5.1-5.11; 6.1-6.8; 7 MS.1- 7 MS.9; 9-12 HS.1-HS.9
Nature	5	S 5.5, 5.6; 6.8, 6.9, 6.11; 7LS.1-7LS.14; 8PS.5; ES.1-ES.14; BIO.1-BIO.9
Oceanography	8	S 5.6; 6.10, 6.11; ES.1- ES.14
Orienteering	10	PE 5.1-5.6; 6.1-6.5; 7.1-7.5; 8.1-8.6; 9.1-9.5; 10.1-10.5; ELECTIVE 11/12.1-11/12.5
Painting	5	S 5.1; 6.3, 6.4; 8 PS.2,8 PS.10; PH.5, PH.8
Personal Fitness	9	PE 5.1-5.6; 6.1-6.5; 7.1-7.5; 8.1-8.6; 9.1-9.5; 10.1-10.5; ELECTIVE 11/12.1-11/12.5
Personal Management	9	E 5.1-5.8; 6.1-6.9; 7.1-7.10; 8.1-8.6; 9.1-9.8; 10.1-10.10; 11.1-11.9; 12.1-12.8
Pets	4	S 5.5, 5.6; 6.8,6.9,6.11; 7LS.1-7 LS.14; BIO.1, BIO.5
Photography	5	VA 5.1-5.19; 6.1-6.18; 7.1-7.14; 8.1-8.10; A I TO A IV ABILITY BASED
Pioneering	9	PE 5.1-5.6; 6.1-6.5; 7.1-7.5; 8.1-8.6; 9.1-9.5; 10.1-10.5; ELECTIVE 11/12.1-11/12.5
Plant Science	8	S 5.5, 5.6; 6.8, 6.9, 6.11; 7LS.1-7 LS.14; BIO.1, BIO.5
Plumbing	8	S 5.1; 6.3, 6.4; 8 PS.2, 8 PS.10; PH.5, PH.8
Pottery	6	VA 5.1-5.19; 6.1-6.18; 7.1-7.14; 8.1-8.10; A I TO A IV ABILITY BASED
Public Health	7	HE 5.1-5.5; 6.1-6.7; 7.1-7.5; 8.1-8.5; 9.1-9.5; 10.1-10.5
Public Speaking	5	E 5.1-5.8; 6.1-6.9; 7.1-7.10; 8.1-8.6; 9.1-9.8; 10.1-10.10; 11.1-11.9; 12.1-12.8
Pulp and Paper	8	E 5.1-5.8; 6.1-6.9; 7.1-7.10; 8.1-8.6; 9.1-9.8; 10.1-10.10; 11.1-11.9; 12.1-12.8
Radio	8	S 5.2; 6.4; 8PS.4, 8PS.8, 8PS.11; PH.1-PH.14
Railroading	7	E 5.1-5.8; 6.1-6.9; 7.1-7.10; 8.1-8.6; 9.1-9.8; 10.1-10.10; 11.1-11.9; 12.1-12.8

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Reading	4	E 5.1-5.8; 6.1-6.9; 7.1-7.10; 8.1-8.6; 9.1-9.8; 10.1-10.10; 11.1-11.9; 12.1-12.8
Reptile and Amphibian Study	10	S 5.5, 5.6; 6.8, 6.9, 6.11; 7LS.1-7 LS.14; BIO.1, BIO.5
Rifle Shooting	2	PE 5.1-5.6; 6.1-6.5; 7.1-7.5; 8.1-8.6; 9.1-9.5; 10.1-10.5; ELECTIVE 11/12.1-11/12.5
Rowing	11	PE 5.1-5.6; 6.1-6.5; 7.1-7.5; 8.1-8.6; 9.1-9.5; 10.1-10.5; ELECTIVE 11/12.1-11/12.5
Safety	6	HE 5.1-5.5; 6.1-6.7; 7.1-7.5; 8.1-8.5; 9.1-9.5; 10.1-10.5
Salesmanship	8	E 5.1-5.8; 6.1-6.9; 7.1-7.10; 8.1-8.6; 9.1-9.8; 10.1-10.10; 11.1-11.9; 12.1-12.8
Scholarship	5	E 5.1-5.8; 6.1-6.9; 7.1-7.10; 8.1-8.6; 9.1-9.8; 10.1-10.10; 11.1-11.9; 12.1-12.8--- ALL AREAS
Sculpture	2	VA 5.1-5.19; 6.1-6.18; 7.1-7.14; 8.1-8.10; A I TO A IV ABILITY BASED
Shotgun Shooting	2	PE 5.1-5.6; 6.1-6.5; 7.1-7.5; 8.1-8.6; 9.1-9.5; 10.1-10.5; ELECTIVE 11/12.1-11/12.5
Skating	2	PE 5.1-5.6; 6.1-6.5; 7.1-7.5; 8.1-8.6; 9.1-9.5; 10.1-10.5; ELECTIVE 11/12.1-11/12.5
Small Boat Sailing	10	PE 5.1-5.6; 6.1-6.5; 7.1-7.5; 8.1-8.6; 9.1-9.5; 10.1-10.5; ELECTIVE 11/12.1-11/12.5
Snow Sports	5	PE 5.1-5.6; 6.1-6.5; 7.1-7.5; 8.1-8.6; 9.1-9.5; 10.1-10.5; ELECTIVE 11/12.1-11/12.5
Soil and Water Conservation	7	S 5.5, 5.6; 6.8, 6.9, 6.11; 7LS.1-7LS.14; 8PS.5; ES.1-ES.14; BIO.1-BIO.9
Space Exploration	8	S 5.1, 5.6, 5.7; 6.1, 6.10; 7LS.1; 8PS.1, 8PS.4, 8PS.10; ES.1-ES.14
Sports	9	PE 5.1-5.6; 6.1-6.5; 7.1-7.5; 8.1-8.6; 9.1-9.5; 10.1-10.5; ELECTIVE 11/12.1-11/12.5
Stamp Collecting	8	E 5.1-5.8; 6.1-6.9; 7.1-7.10; 8.1-8.6; 9.1-9.8; 10.1-10.10; 11.1-11.9; 12.1-12.8
Surveying	6	M 5.1-5.15; 6.1-6.17; 7.1-7.14; 8.1-8.11; ALGEBRA,GEOMETRY, CALCULAS
Swimming	9	PE 5.1-5.6; 6.1-6.5; 7.1-7.5; 8.1-8.6; 9.1-9.5; 10.1-10.5; ELECTIVE 11/12.1-11/12.5
Textile	6	VA 5.1-5.19; 6.1-6.18; 7.1-7.14; 8.1-8.10; A I TO A IV ABILITY BASED
Theater	6	VA 5.1-5.19; 6.1-6.18; 7.1-7.14; 8.1-8.10; A I TO A IV ABILITY BASED
Traffic Safety	6	HE 5.1-5.5; 6.1-6.7; 7.1-7.5; 8.1-8.5; 9.1-9.5; 10.1-10.5
Truck Transportation	11	S 5.1; 6.3, 6.4; 8 PS.2, 8 PS.10; PH.5, PH.8
Veterinary Medicine	10	S 5.5, 5.6; 6.8, 6.9, 6.11; 7LS.1-7 LS.14; BIO.1, BIO.5
Water Skiing	11	PE 5.1-5.6; 6.1-6.5; 7.1-7.5; 8.1-8.6; 9.1-9.5; 10.1-10.5; ELECTIVE 11/12.1-11/12.5
Weather	9	S 5.6, 5.7; 6.10, 6.11; ES.1- ES.14
Whitewater	14	PE 5.1-5.6; 6.1-6.5; 7.1-7.5; 8.1-8.6; 9.1-9.5; 10.1-10.5; ELECTIVE 11/12.1-11/12.5
Wilderness Survival	13	PE 5.1-5.6; 6.1-6.5; 7.1-7.5; 8.1-8.6; 9.1-9.5; 10.1-10.5; ELECTIVE 11/12.1-11/12.5
Wood Carving	5	VA 5.1-5.19; 6.1-6.18; 7.1-7.14; 8.1-8.10; A I TO A IV ABILITY BASED
Woodwork	6	VA 5.1-5.19; 6.1-6.18; 7.1-7.14; 8.1-8.10; A I TO A IV ABILITY BASED

*Virginia SOL Key:*

*Mathematics = M*  
*Science = S*  
*English = E*

*Physical Education = PE*  
*Computer/Technology = C/T*  
*Music = MU*

*Visual Arts = VA*  
*History/Social Studies = VS*  
*Health Education = HE*