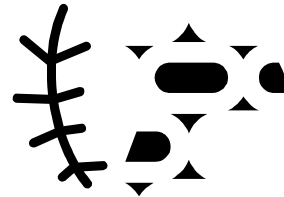
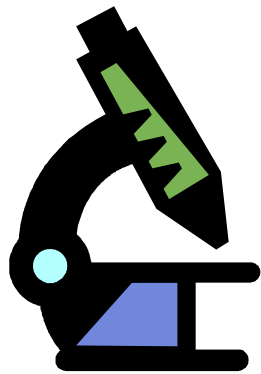


Northern Virginia Regional Science & Engineering Fair

Category Awards 2020



Holly Krull
Category Judge Coordinator

Dat Le
Fair Director

Michele Lombard
Assistant Fair Director

NORTHERN VIRGINIA REGIONAL SCIENCE & ENGINEERING FAIR

2020 3EATENGOPAWARDS DC 0.00000912 0 612 792 reW*
~~2020 3EATENGOPAWARDS~~

First Place Awardees 1-2

Second Place Awardees..... 3-6

Third Place Awardees7-9

Honorable Mention Awardees10-15
T0.00000912 0 612 792 reW*
BTf1 15.96 Tf1 0 0 1 518 2 50

Project Number	Name	School
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1st Place

Behavioral and Social Sciences

11 BE	218	McCormack, Michaela	T.C. Williams
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12 BE	219	Loftis, Kate	Yorktown
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Biochemistry

11 BI	310	von Eckartsberg, Rose	Yorktown
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Chemistry

9 CH	417	Licato, Anne	Washington-Liberty
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Engineering

9 EN	517	Sartori, Colin	Yorktown
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Environmental and Earth Sciences

9 EV	627	Goeke, Madi	Washington-Liberty
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9 EV	632	Carlson, Isla; Vaughan, Kathleen	Wakefield
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11 EV	647	Licato, James	Washington-Liberty
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Mathematics and Computer Science

10 MC \			
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	916	Tripathi, Anika	Washington-Liberty
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11 MI	918	McDonald, Alexandra	Yorktown
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Project Number	Name	School
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1st Place

Physics and Astronomy

9 PH 1014	Bain, Angelica	Washington-Liberty
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11 PH 1021	Bass, Dillon	Yorktown
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Plant Sciences

12 PS 1129	Amponsah, Keirstyn	T.C. Williams
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Project Number	Name	School
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2nd Place

Animal Sciences

9 AS	105	Beasley, Elise	Yorktown
9 AS	106	Day, Madeleine	Washington-Liberty
9 AS	107	Henshaw, Morgan	Yorktown

Behavioral and Social Sciences

9 BE	210	Carey, Julia	Yorktown
10 BE	214	Kerns, Michael; Westergren, Evan	Arlington Tech
10 BE	215	Nix, Ellie; Daget, Stephanie; Muir, Maddie	Arlington Tech

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Project Number	Name	School
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2nd Place

Chemistry

9CH 416	Koller, Sean	Washington-Liberty
9CH 418	Wayman, Elizabeth	Yorktown
10CH 419	Ardaiz, Alexander	Wakefield
10CH 427	Rahman, Md Nabil; Fuqua, Stewart; Merritt, Songkran	Wakefield
11CH 428	Bell, Sydney	T.C. Williams
11CH 429	Stutzman, George	Washington-Liberty

Engineering

9EN 518	Sharma, Ambica	Washington-Liberty
9EN 519	McCormack, Maxwell; Winters, Rutger	T.C. Williams
9EN 520	Sanchez, Raphael; Brown, Liam	Arlington Tech
11EN 523	Mukhtar, Zeinab	Wakefield

Project Number

Name

School

2nd Place

Microbiology

9 MI 907

Chahil, Natalia

Project Number	Name	School
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3rd Place

Behavioral and Social Sciences

9 BE	212	Rahman, Nabela	Wakefield
9 BE	213	Ramirez Graves, Mercedes; Demarco, Kaya; Sparks, Adriana	Arlington Tech

Biochemistry

9 BI	303	Docena, Elise	Washington-Liberty
9 BI	304	Milton, Emily	T.C. Williams

Chemistry

10 CH	420	Bright, Christopher	T.C. Williams
10 CH	421	Galazin, Catherine	Wakefield
10 CH	423	Clark, Zoe; Sweeney, Nolan	Wakefield

Engineering

9 EN	515	Ipsen, Evelyn	T.C. Williams
10 EN	521	Hixson, William	T.C. Williams
10 EN	522	Lakew, Yoseph	T.C. Williams
11 EN	524	Stearns, Oliver	H-B Woodlawn

Project Number	Name	School
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3rd Place

Environmental and Earth Sciences

9 EV 622	Allen, Lily	Washington-Liberty
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Project Number	Name	School
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Honorable Mention

Behavioral and Social Sciences

9BE	211	Fanning, Lily	T.C. Williams
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Biochemistry

9BI	302	Arlett Estrada, Sara	Arlington Tech
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10BI	308	Arango-Rojas, Sara; Leahy, Meaghan; McCarthy, Maya	
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Project Number	Name	School
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Honorable Mention

Environmental and Earth Sciences

9 EV	623	Bolejack, Anna	Washington-Liberty
9 EV	628	Klug, Aaron	Wakefield
9 EV	629	Krajicek, Caroline	Washington-Liberty
9 EV	630	Leland, Erin	Washington-Liberty
9 EV	634	Middleton, Sarah; Hay, Elizabeth; Watkins, Evelyn	Wakefield
10 EV	638	Futrell, Sophia	Yorktown
10 EV	639	Houck, Summerson	T.C. Williams
10 EV	645	Taylor, Mason	Wakefield

Mathematics and Computer Science

12 MC	705	Foster, Alisha	Yorktown
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Medical and Health Sciences

9 ME	808	Dechant, Sophie; Dawson, Anibel	T.C. Williams
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Microbiology

9 MI	906	Carlson, Margaret	T.C. Williams
9 MI	910		

Project Number	Name	School
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Honorable Mention

Plant Sciences

9 PS 1119	Huson, Teo	Washington-Liberty
10 PS 1122	Dramstad, Brent	Wakefield
10 PS 1124	Coggins, Kathryn; Carlson, Rhys	Wakefield
11 PS 1126	Alavi, Zahra	Wakefield

RECOMMENDATIONS FOR VIRGINIA STATE SCIENCE & ENGINEERING FAIR 2020

PROJECT	NAME	SCHOOL
11 BE 218	Michaela McCormack	T.C. Williams
12 BE 219	Kate Loftis	Yorktown
11 BI 310	Rose von Eckartsberg	Yorktown
9 CH 417	Anne Licato	Washington-Liberty
9 EN 517	Colin Sartori	Yorktown
9 EV 627	Madi Goeke	Washington-Liberty
9 EV 632	Isla Carlson & Kathleen Vaughan	Wakefield
11 EV 647	James Licato	Washington-Liberty

10 MC 701

BEST OF FAIR 2020

GRAND PRIZE AWARDEES

Jake Lee
Episcopal High School

*Development of Artificial Epidermis Using Collagen Film
and Keratinocyte Cell Line for Personalized Allergy Tester*

and

Alexandra McDonald
Yorktown High School

*Optimization of Microbial Fuel Cell Technology to Maximize
Power and Nitrate Removal*

ALTERNATE AWARDEE

James Licato
Washington-Liberty High School

*Developing a Method for Simultaneous Removal of
Pharmaceuticals and PFAS in Water Treatment*