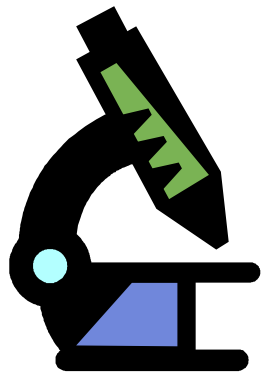


Northern Virginia Regional Science & Engineering Fair

Category Awards 2020



Holly Krull
Category Judge Coordinator

Dat Le
Fair Director

Michele Lombard
Assistant Fair Director

NORTHERN VIRGINIA REGIONAL SCIENCE & ENGINEERING FAIR

2020 CATEGORY AWARDS

First Place Awardees	1-2
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Project Number	Name	School
1st Place		
<u>Behavioral and Social Sciences</u>		
11 BE 218	McCormack, Michaela	T.C. Williams
12 BE 219	Loftis, Kate	Yorktown
<u>Biochemistry</u>		
11 BI 310	von Eckartsberg, Rose	Yorktown
<u>Chemistry</u>		
9 CH 417	Licato, Anne	Washington-Liberty
<u>Engineering</u>		
9 EN 517	Sartori, Colin	Yorktown
<u>Environmental and Earth Sciences</u>		
9 EV 627	Goeke, Madi	Washington-Liberty
9 EV 632	Carlson, Isla; Vaughan, Kathleen	Wakefield
11 EV 647	Licato, James	Washington-Liberty
<u>Mathematics and Computer Science</u>		
10 MC 701	Berry, Colin	Yorktown
11 MC 704	Rahman, Mahia	Washington-Liberty
<u>Medical and Health Sciences</u>		
11 ME 811	Lee, Jake	Episcopal
<u>Microbiology</u>		
10 MI 916	Tripathi, Anika	Washington-Liberty
11 MI 918	McDonald, Alexandra	Yorktown

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
10 BE	216	Singer, Jacob; Torg, William	H-B Woodlawn
11 BE	217	Gibson, Julia	Bishop O'Connell

Biochemistry

10 BI	305	Ackleson, Thomas	Washington-Liberty
10 BI	306	Koury, Kelly	T.C. Williams
10 BI	307	Zheng, Charles	Episcopal
11 BI	311	Gazic, Dzenita; Rizkallah, Rita	Wakefield

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
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2nd Place

Environmental and Earth Sciences

9 EV	625	Felker, Kara	Washington-Liberty
9 EV	631	Papacosma, Charlotte	Wakefield
9 EV	633	Dembosky, Alexa; Gordon, Alexandra	Washington-Liberty
10 EV	636	Alcorn Rodrigue, Amelia	Wakefield
10 EV	640	Koumans, Elizabeth	Yorktown
10 EV	643	Odenwelder, Lily	Washington-Liberty
10 EV	644	Quinn, Sam	Yorktown
10 EV	646	Glanz, Madeline; Cohen, Alana	T.C. Williams
11 EV	648	Mazel, Megan	Wakefield
11 EV	650	Bernhardt, Will; Feist, Haylee	Yorktown

Mathematics and Computer Science

10 MC	703	Wang, Susan	Episcopal
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Medical and Health Sciences

9 ME	805	Newman, Sarah	Yorktown
9 ME	806	Rai, Kritika	Washington-Liberty
9 ME	807	Blackburn, Isabel; Archie, Patrice	T.C. Williams
10 ME	809	Narang, Vivek	Washington-Liberty
12 ME	812	Costle-Tyler, Alexander	T.C. Williams

Project Number	Name	School
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2nd Place

Microbiology

9 MI 907	Chahil, Natalia	Washington-Liberty
9 MI 911	Thomas, Lauren	Washington-Liberty
10 MI 915	Stievater, Adam	Washington-Liberty

Physics and Astronomy

9 PH 1017	Sherlick, Maya	Arlington Tech
10 PH 1019	Bernstein, Amelia	T.C. Williams
10 PH 1020	Haan, MeiLi; Ley, Thi; Smith, Lauren	Wakefield
11 PH 1022	Gamboa, Sophie	Wakefield

Plant Sciences

9 PS 1120	Makonnen, Nathan	Wakefield
9 PS 1121	Tsai, Benjamin	Washington-Liberty
11 PS 1127	Portner, Noah	Washington-Liberty
11 PS 1128	Sokol, Josh	Yorktown

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
3rd Place		
<u>Environmental and Earth Sciences</u>		
9 EV 622	Allen, Lily	Washington-Liberty
9 EV 624	Estevao, Rebecca	Washington-Liberty
9 EV 626	Flannery-Goodman, Lucy	Yorktown
9 EV 635	Ruiz, Nicol; De Leon, Ester; Peterson, Kyra	Wakefield
10 EV 637	Ballantine, Lillian	T.C. Williams
10 EV 641	Matthews, Katie	T.C. Williams
10 EV 642	Mukhtar, Suheila	Wakefield
11 EV 649	Visek, Alexandra	Bishop O'Connell
11 EV 651	Stowers, Kareena; Reecer, Sofia	Wakefield
<u>Mathematics and Computer Science</u>		
9 MC 700	Apsel, Max	Yorktown
10 MC 702	Gordon, Max	T.C. Williams
<u>Medical and Health Sciences</u>		
10 ME 810	Modlin-Unger, Ellie; Marchese, Andrea; Villado, Isabella	Arlington Tech
<u>Microbiology</u>		
9 MI 908	Rynes, Katherine	Washington-Liberty
9 MI 909	Sellgren, Margot	Washington-Liberty
9 MI 913	Mann, Edwin; Maldonado, Katherine	Wakefield
9 MI 914	Messman, Reid; Carome, Abby	Washington-Liberty

Project Number	Name	School
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3rd Place

Physics and Astronomy

9 PH 1015	Hubbard, Marie	T.C. Williams
9 PH 1018	Yacobucci, Margaret	Yorktown

Plant Sciences

10 PS 1123	Parker IV, William	Wakefield
10 PS 1125	Zarraf, Fatima Zahra; Darko, Isabella	Wakefield

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	Wakefield
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10BI 309	Berasu, Effriata; Bautista, Alyssa	T.C. Williams
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Chemistry

10CH 422	Abdelaziz, Nedim; Abdu, Nadim; Alhadj, Mahamat	Wakefield
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10CH 424	Esquierdo, Hailey; Wiangkham, Gavarin	Wakefield
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10CH 425	Farhod, Shodi; Newman, Elliot; Shagimuratov, Timur	Wakefield
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10CH 426	Fried, Olivia; Rozario, Ramy	Wakefield
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Engineering

9EN 514	Delgado, Abigail	T.C. Williams
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9EN 516	Negussie, Yabsera	Wakefield
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Project Number	Name	School
<i>Honorable Mention</i>		
<u>Environmental and Earth Sciences</u>		
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
<u>Mathematics and Computer Science</u>		
12 MC 705	Foster, Alisha	Yorktown
<u>Medical and Health Sciences</u>		
9 ME 808	Dechant, Sophie; Dawson, Anibel	T.C. Williams
<u>Microbiology</u>		
9 MI 906	Carlson, Margaret	T.C. Williams
9 MI 910	Tewelde, Luliya	Wakefield
9 MI 912	Long, Amanda; Ashley, Caroline	Washington-Liberty
10 MI 917	Lewis, Spencer; Foster, Jacob	Washington-Liberty
<u>Physics and Astronomy</u>		
9 PH 1016	McNally, Ella	Washington-Liberty

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

2020 BROADCOM MASTERS NOMINEES

PROJECT	NAME	SCHOOL
7 CH 402	Rayyan Rami	George Washington
7 CH 404	Amina Sharif	Patrick Henry
8 CH 407	Haley Baasansukh	Swanson
7 EN 501	Noel Reyes	Mary Ellen Henderson
8 EN 506	Eyuel Berhanu	Jefferson
7 EV 602	Avery DeMots	Dorothy Hamm
7 EV 603	Zachary Kumar	Williamsburg
7 EV 604	Elizabeth Secrist	Mary Ellen Henderson
8 EV 612	Zuha Hassen	Hammond
8 EV 619	David Galotto & Naomi Galotto	H-B Woodlawn
7 ME 800	Emma-Leigh Haffey	Gunston
7 ME 801	Sara Martah	Dorothy Hamm
8 ME 803	Sameen Hossain	Swanson
8 MI 905	Samantha Stewart	Jefferson

2020 BROADCOM MASTERS NOMINEES (con't)

PROJECT	NAME	SCHOOL
7 PH 1000	Nicola Beaumont	H-B Woodlawn
7 PH 1001	Grant Buckley	Williamsburg
8 PH 1004	Emily Brennan	Jefferson-Houston
8 PH 1005	Alena Cooper	George Washington
8 PH 1010	Maya Kaminski	Kenmore
8 PS 1110	Cyrus Beauvais	Gunston
8 PS 1112	Caroline Fern	Kenmore
8 PS 1118	Tanween Syed & Travis Rowley	Hammond

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	Colin Berry	Yorktown
11 MC 704	Mahia Rahman	Washington-Liberty
11 ME 811	Jake Lee	Episcopal
10 MI 916	Anika Tripathi	Washington-Liberty
11 MI 918	Alexandra McDonald	Yorktown
9 PH 1014	Angelica Bain	Washington-Liberty
11 PH 1021	Dillon Bass	Yorktown
12 PS 1129	Keirstyn Amponsah	T.C. Williams

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*