

## R & D Awards Summary - (Business Education) Digital Design Projects

Day of Silence Poster		Grand		Tchr: Walter Mansfield
Jillian Emery	SM North		12	
Grand Slam!!!		Grand		Tchr: Walter Mansfield
Leonardo Arias	SM North		12	
lady of the flower		Award of Distinction		Tchr: Walter Mansfield
Riley Donaldson	SM North		11	
Graffiti Cat		Grand		Tchr: Walter Mansfield
Ian Harris	SM North		11	
Boys Golf Poster		Grand		Tchr: Jennifer Hair
Hanna Robinett	SM East		10	
Hope Robinett	SM East		10	
Merriam Park Coloring Book Front Page		Grand		Tchr: Jennifer Hair
Braxton Stevens	SM East		10	
2018-19 Boys Basketball		Grand		Tchr: Jennifer Hair
Sydni William	SM East		11	

**8 total STUDENTS for Business Education - Digital Design Projects**

## R & D Awards Summary - (Business Education) Digital Design Portfolios

Andrew Beaven's Digital Design Portfolio Andrew Beaven	Award of Distinction SM Northwest	12	Tchr: Jan Berg
Blythe Bolar Digital Design Class Portfolio Blythe Bolar	Grand SM East	10	Tchr: Jennifer Hair
<b>2 total STUDENTS for Business Education - Digital Design Portfolios</b>			

## R & D Awards Summary - (Business Education) Video Production Projects

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Clue Movie Trailer		Grand		Tchr: Kelly Gill
	Miles Fritz	SM West	12	
	Amelia Milldyke Gifford	SM West	12	
	Madelyn Patterson	SM West	12	
<b>3 total STUDENTS for Business Education - Video Production Projects</b>				

## R & D Awards Summary - (Business Education) Animation–2 dimensional Animation

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Ink And Puddle

Kasey Cohenour

Grand

SM Northwest

12

Tchr: Bryan Johnson

**1 total STUDENTS for Business Education - Animation–2 dimensional Animation**

## R & D Awards Summary - (Business Education) Animation--3-dimensional Animation

FPS Weapons Test		Grand		Tchr: Bryan Johnson
Robert Commodore		SM West	11	
NM2P Mult-Purpose Droid Demonstration		Award of Distinction		Tchr: Bryan Johnson
Zen Dalton		SM South	12	
The Sandwich		Award of Distinction		Tchr: Bryan Johnson
Robert Commodore		SM West	11	
The CAA Animation		Grand		Tchr: Bryan Johnson
Zen Dalton		SM South	12	
Ivan Noble		SM Northwest	12	
Liam Sullivan		SM East	12	
Alejandro Torres		SM North	12	

**7 total STUDENTS for Business Education - Animation--3-dimensional Animation**

## R & D Awards Summary - (Family & Consumer Sciences) Apparel Clothing Construction

Memorabilia Quilt		Grand		Tchr: Jan Evans
Devin Howell	SM West		12	
Emerald Prom Dress		Grand		Tchr: Jan Evans
Devin Howell	SM West		12	
<b>2 total STUDENTS for Family &amp; Consumer Sciences - Apparel Clothing Construction</b>				

## R & D Awards Summary - (Fine Arts) Studio Art

Water Color Leaves		Grand		Tchr: Juliet Miller-Martin
	Madison Dunham	SM North	09	
Selfie Drawing		Grand		Tchr: Cortney Dougherty
	Samantha Hale	SM South	09	
Block Print		Grand		Tchr: Cortney Dougherty
	Valentina De Martini Ricardo	SM South	12	
Deep Contrast		Award of Distinction		Tchr: Melinda Heaton
	Chloe Boozer	SM East	10	

**4 total STUDENTS for Fine Arts - Studio Art**

## R & D Awards Summary - (Fine Arts) Ceramics

Tall Ceramic Vase		Grand		Tchr: Jean Lockhart
	Shelby Collins	SM West	12	
Slab Bowl with Negative Space		Grand		Tchr: Cortney Dougherty
	Katherine Horner	SM South	12	
Ocean Floor		Grand		Tchr: Jennifer Hensley
	Willa Ivancic	SM East	11	
Turtle Skeleton		Grand		Tchr: Jean Lockhart
	Emily Smith	SM West	12	
Slab Pot		Award of Distinction		Tchr: Cortney Dougherty
	Andrew Rittmaster	SM South	12	

**5 total STUDENTS for Fine Arts - Ceramics**



## R & D Awards Summary - (Fine Arts) Drawing

summer 2k18	Evelyn Goering	Award of Distinction SM North	10	Tchr: Stephanie Dalley
Selbstporträt	Aidan Novo	Grand SM East	10	Tchr: Adam Finkelston
Forget-me-not	Honora Bennett	Grand SM North	10	Tchr: Stephanie Dalley
Untitled	Riley Klinge	Grand SM South	12	Tchr: Jill Oliver

**4 total STUDENTS for Fine Arts - Drawing**

## R & D Awards Summary - (Fine Arts) Painting

Angels	Miraka Garten-Rampone	SM West	Grand	10	Tchr: Luan Taylor
Sunflowers	Jackie Huettner	SM South	Grand	12	Tchr: Jill Oliver
Daisies	Estefania Nieves	SM South	Grand	11	Tchr: Jill Oliver
Muscle Car	Adali Hernandez	SM South	Award of Distinction	11	Tchr: Jill Oliver

**4 total STUDENTS for Fine Arts - Painting**

## R & D Awards Summary - (Fine Arts) Jewelry/Sculpture Studio

Puddle		Grand		Tchr: Chandra Beadleston
	Greta Berg	SM North	11	
Katrin Tanja Davids Dottir		Award of Distinction		Tchr: Jennifer Hensley
	Emily Eadens	SM East	12	
Camelion on Tree		Grand		Tchr: Cortney Dougherty
	Fernanda Fregozo	SM South	12	

**3 total STUDENTS for Fine Arts - Jewelry/Sculpture Studio**

## R & D Awards Summary - (Fine Arts) Photography

Architecture	Kira Schocke-Delaughter	SM North	Grand	12	Tchr: Juliet Miller-Martin
Two Shaded	Trinity Legill	SM East	Grand	12	Tchr: Adam Finkelston
Untitled	Anna Barry	SM South	Grand	12	Tchr: Ryane Jewell
Untitled	Akkira Moore	SM South	Award of Distinction	10	Tchr: Kelsey Finger

**4 total STUDENTS for Fine Arts - Photography**

## R & D Awards Summary - (Fine Arts) Digital Media

Power	Rayna Matson	SM East	Grand	12	Tchr: Adam Finkelston
Bird	Elise Lovell	SM South	Grand	11	Tchr: Kelsey Finger
Zebra	Nicolas Flores	SM South	Award of Distinction	11	Tchr: Kelsey Finger
Portrait	Ella Coon	SM South	Grand	10	Tchr: Kelsey Finger

**4 total STUDENTS for Fine Arts - Digital Media**

## R & D Awards Summary - (Industrial Technology) Wood Design Novice – Large (1st year)

Bench with Storage	David Sisk	SM North	Grand	09	Tchr: Rod Terflinger
Bookcase	Viryriana Flores	SM North	Grand	11	Tchr: Rod Terflinger
Fishing Storage Cabinet	Hunter Smith	SM South	Award of Distinction	10	Tchr: Steve Magee

**3 total STUDENTS for Industrial Technology - Wood Design Novice – Large (1st year)**

## R & D Awards Summary - (Industrial Technology) Wood Design Open – Large (2nd year)

End Table	Cohen Mitts	Grand SM Northwest	10	Tchr: Howard Newcomb
Six Drawer Dresser	Shelton Hoefler	Award of Distinction SM North	10	Tchr: Rod Terflinger
Tailgate turned into Bench	Zackery Jordan	Grand SM North	11	Tchr: Rod Terflinger
French Provincial Coffee Table	Preston McIntyre	Grand SM North	10	Tchr: Rod Terflinger

**4 total STUDENTS for Industrial Technology - Wood Design Open – Large (2nd year)**

## R & D Awards Summary - (Industrial Technology) Wood Design Open – Small (2nd year)

Lantern		Award of Distinction		Tchr: Scott Diebold
	Caleb Tatley	SM West	11	
Curved Handle Landing Net		Grand		Tchr: Steve Magee
	David Graves	SM South	10	

**2 total STUDENTS for Industrial Technology - Wood Design Open – Small (2nd year)**



## R & D Awards Summary - (Industrial Technology) Wood Design and Fabrication (3rd year)

Hickory Country Buffet Sean Parnell	Award of Distinction SM North	12		Tchr: Rod Terflinger
Dresser Nick Angell	Award of Distinction SM South	12	Regnier Award	Tchr: Steve Magee
Elliptical Inlaid Walnut Coffee Table Amelia Mullin	Grand SM South	12		Tchr: Steve Magee

**3 total STUDENTS for Industrial Technology - Wood Design and Fabrication (3rd year)**

## R & D Awards Summary - (Industrial Technology) Computer-Aided Manufacturing (4th year)

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Ping Pong Table

Caleb Kutz

Grand  
SM South

12

Tchr: Steve Magee

**1 total STUDENTS for Industrial Technology - Computer-Aided Manufacturing (4th year)**

## R & D Awards Summary - (Industrial Technology) Wood Turning Projects-Novice

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Oak Salad Bowl

Brett Conner

Grand  
SM South

10

Tchr: Steve Magee

**1 total STUDENTS for Industrial Technology - Wood Turning Projects-Novice**

## R & D Awards Summary - (Industrial Technology) Wood Turning Projects-Open

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Segmented Vase

Joseph George

Award of Distinction  
SM South

12

Tchr: Steve Magee

**1 total STUDENTS for Industrial Technology - Wood Turning Projects-Open**

## R & D Awards Summary - (Industrial Technology) Architectural Design 1 House Plans

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SR House Plan

Samantha Riggs

Grand

SM Northwest

09

Tchr: Howard Newcomb

**1 total STUDENTS for Industrial Technology - Architectural Design 1 House Plans**

## R & D Awards Summary - (Industrial Technology) Industrial Design - Working Drawings w/Model

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Duck Call	John Van Nieuwenhuysse	Grand SM Northwest	11	Tchr: Howard Newcomb
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**1 total STUDENTS for Industrial Technology - Industrial Design - Working Drawings w/Model**

## R & D Awards Summary - (Industrial Technology) Architectural Design 2

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Green Roof

Caleb Tatley

Grand  
SM West

11

Tchr: Jay Sharbutt

**1 total STUDENTS for Industrial Technology - Architectural Design 2**

## R & D Awards Summary - (Industrial Technology) PLTW-Engineering Design Advanced

Prosthetic Leg		Award of Distinction		Tchr: Greg Thiel
	Caroline Tuohey	SM South	11	
Date in History		Grand		Tchr: Jessica Tickle
	Ashley Eddy	SM East	11	
Rocket Stabilization System		Award of Distinction	Regnier Award	Tchr: Greg Thiel
	Samuel Springer	SM Northwest	12	
Action Camera Design		Grand		Tchr: Greg Thiel
	Scott Klein	SM Northwest	11	
Surveyor's Tripod		Grand		Tchr: Greg Thiel
	Samuel Caldwell	SM South	12	
	Charles Siegel	SM South	11	
Led Indication System		Grand		Tchr: Jessica Tickle
	Lakshya Saini	SM Northwest	12	

**7 total STUDENTS for Industrial Technology - PLTW-Engineering Design Advanced**



## R & D Awards Summary - (Science) Experimental: Grade 4-5

Basil Plant Experiment	Award of Distinction		Tchr: Crystal Williamson
Eva Keairns	Trailwood	05	
Ellen Kirsch	Trailwood	05	
Ruby Sluga	Trailwood	05	
The Soil Solution	Award of Distinction		Tchr: Ashley Parn
Adeline Clifford	Prairie	05	
Mirabelle Heinen	Prairie	05	
Avie Koeneman	Prairie	05	
Lucy Stephens	Prairie	05	
What Makes Plants Grow Fastest	Grand		Tchr: Crystal Williamson
Lauren Giuliani	Trailwood	05	
A Comparison of Hydroponic and Soil Gardening	Grand		Tchr: Allison Dorau
Ilse Griffin	Prairie	05	
Elizabeth Marsh	Prairie	05	
Emily McShane	Prairie	05	

**11 total STUDENTS for Science - Experimental: Grade 4-5**

## R & D Awards Summary - (Science) Experimental: Grade 6

A "Supercool" Project Henry Martin	Award of Distinction Trailwood	06	Tchr: Michelle Davis
Rising Up Margaret Gerritz	Award of Distinction Trailwood	06	Tchr: Michelle Davis
Paraffin vs. Beeswax Gracie Tiller	Award of Distinction Trailwood	06	Tchr: Michelle Davis
Fridge or Ice Annalynne Bradley	Grand Trailwood	06	Tchr: Michelle Davis
Soda Pop! Madeline Tuohey	Award of Distinction Trailwood	06	Tchr: Michelle Davis
This Signal is Messed Up Emma Bowen	Grand Trailwood	06	Tchr: Michelle Davis
BJD 2040 Theory William Housel	Award of Distinction Benninghoven	06	Tchr: Wendy Kite
Sand or Salt Matthew Owens	Award of Distinction Trailwood	06	Tchr: Michelle Davis
Solar Bringing the Heat Reuben Fick	Award of Distinction Trailwood	06	Tchr: Michelle Davis

**9 total STUDENTS for Science - Experimental: Grade 6**

## R & D Awards Summary - (Science) Experimental: Grades 9-12 BIOTECHNOLOGY

Targeting Ovarian Cancer Stem Cells with Novel Compound TCS2210 Elizabeth Falkner	Grand SM East	11	Tchr: Brenda Bott
The Effect of Cucurbitacin B and I on Colon Cancer Cell Proliferation Peyton Panovich	Award of Distinction SM West	12	Regnier Award Tchr: Brenda Bott
The Hidden Toxins in Vapes; Assaying the Toxicity of Formaldehyde on Chinese Hamster Ovary Cells Samuel DeCoursey	Grand SM West	12	Tchr: Brenda Bott
The effect of Usnea barbata's antibacterial properties on the Gram negative bacteria Escherichia coli Dh5a Matthew Roth	Grand SM East	11	Tchr: Brenda Bott
Determining the role of the regulatory binding domain in inter-domain communication in the chimera LLhF. Nicholas Korth	Award of Distinction SM Northwest	11	Tchr: Brenda Bott
The effect of novel compounds JG-1 and JG-2 on proliferation of head and neck squamous cell carcinoma HN5 Juan Francisco Pineda Gomez	Award of Distinction SM Northwest	11	Tchr: Brenda Bott
The Development of an Assay to Find an Enzyme that Catalyzes Polyethylene Ryan Martin	Grand SM West	12	Tchr: Brenda Bott

**7 total STUDENTS for Science - Experimental: Grades 9-12 BIOTECHNOLOGY**

## R & D Awards Summary - (Science) Experimental: Grades 9-12 OPEN

The Effect of Ultraviolet Rays on Yeast Colony Growth and How it Relates to DNA Damage Nathan Tompkins	SM South	Grand 09	Tchr: James Wannamaker
An Investigation into the Effect of Smoke Water on the Germination and Post-Germination Growth on Pisum sativum Grant Colvin	SM East	Grand 11	Tchr: Erica Jablonski
Modeling the Role of Prion Protein (PrP) in Iron Homeostasis in the Anterior Segment of the Eye: Implication for novel treatment for visual manifestations of Alzheimer's Disease Stuti Dalal	SM East	Award of Distinction 12	Tchr: Miles Martin

**3 total STUDENTS for Science - Experimental: Grades 9-12 OPEN**

## R & D Awards Summary - (Science) Experimental: Grade 7-8

Let Them Eat Cake- Determining the Best Alternative for Eggs in Cupcakes Rowan Tate	Award of Distinction Indian Woods	07	Tchr: Beth Richards
5 second rule Eva Tuttle	Grand Indian Woods	07	Tchr: Calleen Dewinter
Antibacterial Properties of Essential Oils Madeline Bona	Grand Westridge	07	Tchr: Allison Leever
Tardigrades in Extraterrestrial Environments Grace Maloney	Grand Westridge	07	Tchr: Allison Leever
Turf Grass and Water Conservation Tayten DeGarmo	Award of Distinction Hocker Grove	07	Tchr: Trisha Smith
Aromatherapy Zoe Land Jennifer Odom	Grand Westridge Westridge	07 07	Tchr: Kate Brewster
Using a cloud chamber to see radiation Rowan Gibson	Award of Distinction Indian Hills	07	Tchr: Lareta Tabor

**8 total STUDENTS for Science - Experimental: Grade 7-8**

## R & D Awards Summary - (Science) Inventions: Grades 4-6

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iFind		Award of Distinction		Tchr: Ariana Sherk
	Avery Anderson	Belinder	06	
	John Honnold	Belinder	06	
	Caroline Martucci	Belinder	06	
	Margaret Wells	Belinder	06	
	Joshua Woofter	Belinder	06	
<b>5 total STUDENTS for Science - Inventions: Grades 4-6</b>				

## R & D Awards Summary - (Science) Inventions: Grades 7-8

Brixup 3000	Hayes Lavergne	Award of Distinction Indian Woods	08	Tchr: Vanessa Hannan
Shower Pot	Alayna Beck Shelby Stein	Grand Westridge Westridge	07 07	Tchr: Kate Brewster
The Page Turner	Sebastian Hortua Zoe Lynn	Grand Westridge Westridge	07 07	Tchr: Michelle Nixon

**5 total STUDENTS for Science - Inventions: Grades 7-8**

**Total Students = 124**