

SCIENCE TECHNOLOGY ENGINEERING & MATH

STEAM

Class #	Project #	Class Description
300	04149	Self-Determined advanced Agri-Science Exhibit including Self-Determined Project Record Sheet 300.SD.1
301	04150	Self-Determined advanced STEAM Exhibit including Self-Determined Project Record Sheet 300.SD.1

ELECTRICITY

Class #	Project #	Class Description
302	04151	Flashlight
303	04151	A Simple Switch
304	04151	Electromagnet
305		
306	04152	Complete simple circuit demonstrating DC and AC current
307	04152	Parallel Circuit Board labeled with proper symbols
308	04152	Series Circuit Board labeled with proper symbols
309	04152	Battery Alarm
310		
311	04153	Exhibit of various electrical wires, labeled with gauge, type and usage
312	04153	Poster demonstrating 3 major types of light bulbs
313	04153	Poster showing circuits and switches floor plan of your home, including receptacles and fixtures, labeled with proper symbols
314		
315	04154	Circuit using diodes, label all parts with proper symbols
316	04154	Circuit that intermittently flashes the LED
317	04154	A 6 to 8 Watt Amplifier
318		
319	04159	Self-Determined advanced Electricity Exhibit including Self-Determined Project Record Sheet 300.SD.1

SMALL ENGINES

Class #	Project #	Class Description
320	04251	Crank It Up – Exhibit
321		
322	04252	Warm It Up – Exhibit
323		
324	04253	Tune It Up – Exhibit
325		
326	04259	Self-Determined advanced Small Engines Exhibit including Self-Determined Project Record Sheet 300.SD.1

WELDING

Class #	Project #	Class Description
327	04301	Unit I Name Plate – no larger than 12”x 24”x 3/16” or ¼”
328	04301	Unit I Silhouettes – set of 4 NRA small bore rifle regulation animals ¼” or 3/16” thick
329	04301	Unit I Clover – 12” across by ¼” or 3/16” thick
330	04302	Unit II – Skill Plate

331	04302	Unit II – Adjustable Sawhorse
332	04309	Self-Determined advanced Welding Exhibit including Self-Determined Project Record Sheet 300.SD.1

ROCKETRY

Do not install igniters or engine for display

Class #	Project #	Class Description
333	04401	Unit I – Model Rocket – Skill Level I
334	04401	Unit I – Model Rocket – Skill Level II
335	04402	Unit II – Model Rocket – Multi-Stage
336	04402	Unit II – Rocketry Exhibit
337	04409	Self-Determined advanced Rocketry Exhibit including Self-Determined Project Record Sheet 300.SD.1

WOOD SCIENCE

Class #	Project #	Class Description
338	04451	Measuring Up – Flower Box
339	04451	Measuring Up – Napkin or Letter Holder
340	04451	Measuring Up – Picture Frame
341		
342	04452	Making the Cut – Napkin or Letter Holder
343	04452	Making the Cut – Birdhouse
344	04452	Making the Cut – Foot Stool
345		
346	04453	Nailing it Together – Bookcase
347	04453	Nailing it Together – Learning Tree Jigsaw Puzzle
348	04453	Nailing it Together – Box of Many Uses
349		
350	04454	Finishing Up – Name Plate with inlay and overlay
351	04454	Finishing Up – Step Stool/Chair
352	04454	Finishing Up – Table Top Hockey Game
353		
354	04459	Self-Determined advanced Wood Science Exhibit including Self-Determined Project Record Sheet 300.SD.1

ROBOTICS

Class #	Project #	Class Description
355	04469	Self-Determined advanced Robotics Exhibit including Self-Determined Project Record Sheet 300.SD.1

COMPUTER

Class #	Project #	Class Description
356	08109	Self-Determined advanced Computer Exhibit including Self-Determined Project Record Sheet 300.SD.1