

How to Add Electives to Your Four Year Plan White Form



I. Have your materials ready on your desk:

- Purple book with Career Cruising results page stapled inside front cover, back side up and the JV 9th grade available classes stapled inside the back cover, face up.
- White Form
- Highlighters
- Pencils and erasers

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II. Check your White Form:

- Name
- ID number
- Current campus is Cook Middle School
- Next year campus is Jersey Village High School
- Distinguished Level of Advancement – Circle YES or No
- Career Goal
- Endorsement
- Required courses entered

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This plan must be based on the information we have today.

III. Write the high school credit classes you passed in 7th grade in middle school in the far left column of the White Form, labeled “High School Credit Earned in Middle School”. Write the high school credit classes you are taking in 8th grade. (p. 49)

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The Purple book endorsement / elective sections are divided into sections.

- **STEM (p. 9-12)**
- **BUSINESS and INDUSTRY (p. 13-34)**
- **PUBLIC SERVICES (p. 35-42)**
- **ARTS and HUMANITIES (p. 43-45)**

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- I. The first page is the Options for Careers in the endorsement and includes information about what classes you need to take to earn the endorsement.
(See STEM - p. 9)**

- II. The second page is names and definitions of careers that fall under the endorsement.
(See STEM – p. 10)**

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III. The third and fourth pages are different ways of organizing the elective classes you will take.

(See Architecture – p. 17-18)

A. The first way is a Flow Chart where the sequences are shown in a graphic organizer with boxes and arrows.

(p. 17)



Architecture and Construction

Endorsement: Business & Industry

Principles of Architecture & Construction
(Grades 9-10)
1 credit

Interior Design
1 credit

Architectural Design
(Prin of Arch and Construction)
1 credit

Construction Technology
1 credit

Construction Management
(Prin of Architecture)
1 credit

Other Design or Art Courses such as Architectural Design, Visual Arts, Art DP or Art P

Advanced Architectural Design
(Architectural Design)
2 credits
Advanced Course

Mill & Cabinetmaking Technology
(Prin of Architecture, Prin of Manufacturing, or Concepts of Engineering)
2 credits

Adv Construction Management
(Construction Management)
2 credits
Advanced Course

Practicum in Architectural Design
(Architectural Design)
2 credits: work-based
Advanced Course

Problems and Solutions in Drafting
(at least one course from this cluster)
1 credit: project-based
Advanced Course

Problems and Solutions in Tech Ed
(at least one course from this cluster)
1 credit: project-based
Advanced Course

Practicum in Construction Management
(Construction Management)
2 credits: work-based
Advanced Course

(Required Prerequisite)

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1. Look at the Flow Chart. Principles of Architecture is the 9th grade class highlighted in yellow.
2. Follow the arrows down to the second row where you can see that Architectural Design is the 10th grade class.
3. Follow the arrows down to Architectural Design II for 11th grade.

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4. The arrows point to Practicum in Architectural Design or Project Based Research in Drafting for 12th grade.
5. You could take any of the other classes connected by the arrows if you have the time in your schedule – Interior Design or Construction Technology.
6. Be careful - Notice that the Flow Chart contains classes for four different course paths, which can be confusing.

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B. The second way is a Sample Course Sequence by grade level, which looks like a bar graph. (p. 17)

Career Interest	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Architecture	Principles of Architecture	Architectural Design I	*Architectural Design II (2)	*Practicum in Architectural Design (2) <u>or</u> *Project-based Research in Drafting
Construction	Principles of Architecture <u>or</u> Principles of Manufacturing	Construction Technology I (2)	*Construction Technology II (2) <u>or</u> *Mill & Cabinetmaking Technology (2)	*Practicum in Construction Tech (2) <u>or</u> *Project-based Research in Tech Ed.
Plumbing	Principles of Architecture <u>or</u> Principles of Manufacturing	Construction Technology (2)	*Plumbing I (2)	*Plumbing II (2)
Interior Design	Principles of Architecture	Interior Design	Architectural Design I	*Architectural Design II (2)

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- 1. Architecture is the first sequence on the chart. You can see that Principles of Architecture is listed under 9th grade.**
- 2. Architectural Design I is listed under 10th grade.**
- 3. Architectural Design II (2/2) is for 11th grade.**
- 4. Practicum in Architectural Design (2/2) is in 12th grade or Project-Based research (2/2)**
- 5. You would highlight across the entries for easy copying.**

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C. The third way is a chart with several categories of information – Course Title, Grade level available, and a description of the course.

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Course Title		9	10	11	12	Description
Principles of Architecture and Construction		*	*			Highly recommended; explore the fields of architecture, construction science and construction technology.
Construction Technology		*	*	*	*	Skills in safety, tool and machine usage, building materials
Interior Design			*	*	*	Basic principles and elements of design and construction
Architectural Design			*	*	*	Prerequisite – Principles of Arch. and Construction Design, planning and development of arch. drawings
Construction Management			*	*	*	Management of architectural and engineering projects
Mill and Cabinet Making Technology			*	*	*	Prerequisite – Principles of Arch & Construction or Principles of Manufacturing or Concepts of Engineering Mill work, cabinet making and installation
Advanced Architectural Design				*	*	Prerequisite – Architectural Design Design, design history, techniques, tools, renderings, and scaled models
Advanced Construction Management				*	*	Prerequisite – Construction Management Advanced skills in management of architectural and engineering projects
Problems and Solutions in Drafting				*	*	Prerequisite – At least 1 credit in Arch & Construction or Science Technology or STEM cluster Supervised research/project based class
Practicum in Architectural Design					*	Prerequisite – Architectural Design Required to work 10 hours/week at an approved training site
Practicum in Construction Management					*	Prerequisite – Construction Management Required to work 10 hours/week at an approved training site

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- 1. Use the year that the course is first available to begin your sequence.**
- 2. Think about it! 9th grade is the first time you can take Principles of Architecture. You can't take any other Architecture class in 9th grade. The description says: Explore the fields of Architecture – sounds like a beginning class. Choose that one for 9th grade.**

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3. Look at the classes you can take in 10th grade.
4. You choose Architectural Design I for 10th grade. It is the right grade, has Principles as a prerequisite, and describes design and planning. Most people who want to become an architect want to design and plan buildings. Cool!

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5. Look at the classes you can take in 11th grade.
6. You choose Architectural Design II for 11th grade. That makes sense. You've taken Design I, so now you can take Design II.
7. Look at the classes you can take in 12th grade.
8. You take Practicum in Architectural Design. Its title matches all the other classes you chose and offers real work experience.

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9. You could add one or more of the “extras” such as Plumbing, or Interior Design if you have room in your plan.

(You may have room in your schedule because you took some classes for high school credit during middle school.)

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- D. Think about it! Which chart should I use to copy my classes onto the White Form?**
- 1. Take another look at the 3 charts.**
 - 2. Decide which is the easiest chart for you to follow and understand. Do you prefer the Flow Chart? The Course Sequence by Grade Level? The Information Chart?**
 - 3. Use the chart that's easiest for you to copy the courses onto your White Form.**

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- E. Information to help you get the plan done correctly.**
- 1. You must have 4 classes from the endorsement cluster, including at least 1 advanced course, to earn the endorsement on your official high school transcript.**
 - 2. Be sure that you plan to take all your required classes as soon as you can.**
 - 3. Many of the higher level classes are more than 1 credit and class period. If the class is 2 periods, you must put it in 2 rectangles on the White Form.**

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5. Be sure to enter the courses correctly. Many of the higher level classes are more than one credit and class period. If the class is 2 periods, you need to put in 2 rectangles on the plan.

Directions: Courses required at a specific grade level are noted in the chart below. Students have flexibility in determining the year of study for the following graduation requirements: World History or World Geography, Foreign Language, Fine Arts, PE and Health.

Pds	High School credits earned in Middle School	9 th Grade	10 th Grade	11 th Grade	12 th Grade
1		English I	English II	English III	English: _____
2		Math: _____	Math: _____	Math: _____	Math: _____
3		Biology	Science: _____	Science: _____	Science: _____
4		PACE (½) / _____		U.S. History	Government (½) / Economics (½)
5					Cosmetology II
6				Cosmetology I	Cosmetology II
7				Cosmetology I	Cosmetology II

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4. If a class is a full year class, the course number will end in a 3. The course gets a whole rectangle.
5. If the class is a 1 semester class, the course number will end in a 0. The 2 1-semester classes that make up the whole year must be written in the same rectangle.

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Directions: Courses required at a specific grade level are noted in the chart below. Students have flexibility in determining the year of study for the following graduation requirements: World History **or** World Geography, Foreign Language, Fine Arts, PE and Health.

Pds	High School credits earned in Middle School	9 th Grade	10 th Grade	11 th Grade	12 th Grade
1		English I	English II	English III	English: _____
2		Math: _____	Math: _____	Math: _____	Math: _____
3		Biology	Science: _____	Science: _____	Science: _____
4		PACE (½) / <u>HEALTH</u>		U.S. History	Government (½) / Economics (½)
5					
6					
7					

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- 6. You may find that you have to put in your electives from 12th grade back to 9th to get them to fit with your required classes.**
- 7. Most students take PACE and Health in the 9th grade. If your career choice is medicine, you will take Principles of Health Science in the 10th grade instead. It is a full year class and earns the Health credit. You will need a different 1 semester class to fit with PACE in the 9th grade.**

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8. Check to make sure that you have the required core courses for your endorsement.
9. Choose your 11th and 12th grade Science classes to fit with your interests and endorsement.
10. Look at page 48 in the Purple book in case you need to add a class beyond your requirements.

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Until you are finished, you will continue to work on your White Form every day in Advisory. Be sure that it is complete and detailed so that you are ready to input your choices into the Career Planner computer system before the end of October. Do not remove any materials from your Advisory classroom. Your teacher will check to be sure that your White Form has been completed properly before accepting your form.