

## **Art 7 & 8 七、八年级艺术课**

The Grade 7 art curriculum involves studying the Elements of Design that include; line, color, texture, space, shape, form and value. Students will also develop their life-long learning skills of analysis, problem-solving, decision-making, and evaluation. Students will be introduced to various artists and their art in order to enhance the knowledge needed for these skills. Students will also develop an understanding of the connection between art and their core academic classes.

七年级的艺术课程主要围绕着艺术的元素：线条，颜色，质感，空间，形状，轮廓，和明暗度。我们培养学生分析、鉴赏、创造艺术作品的的能力。学生会了解不同的艺术家以及学习他们的艺术作品，以便为培养这些能力打下基础。我们也会让学生意识和理解艺术和其他主课之间的联系。

Grade 8 art is a course for students to further explore all areas of art. This course will allow them to transition into high school art with strong background knowledge. They will continue to develop their skills using line, color, texture, space, shape, form, and value. They will strengthen their "life long learning skills" of analysis, problem-solving, evaluating and decision making. Various artists (both past and present) will be studied to enhance the knowledge needed for these skills. Students will also develop an understanding of the connections between art and their core academic classes.

八年级的艺术课程让学生更进一步探索艺术的各个领域。课堂上的内容会让他们为高中的艺术课程做好充分的准备。他们将会继续加强他们在线条、颜色、质感、空间、形状、轮廓以及明暗度方面的能力。他们会加强他们终生都需要学习的技能：分析解决问题，评估问题，自己做决定。为了加强这些技能的学习，同学们需要了解不同类型的艺术家。我们也会让学生意识到和理解艺术和其他主课之间的联系。

## **Chinese Humanities 7 & 8 七、八年级中文课**

NCPA Middle School 中文课程根据国际文凭机构 IB (InternationalBaccalaureate) 制定的中文教学大纲《Middle Years Programme-Language and Literature》

(《初中计划一语言与文学》) 的目标和要求，学习中国语言，人文历史，文化影响等方面内容，关注培养学生的分析、组织、文本创作、语言运用等方面的能力。

## **Chinese Math 7 & 8 七、八年级中文数学课**

Students will enhance their knowledge in algebra, geometry and statistics. The linear equations and the linear inequalities will be introduced this year. The students get to know new methods to solve real problems with finding the relationship as equations and inequalities. The basics of geometry will firstly be established in definitions with figures. The students start to think about the real world with abstraction. The statistics will be introduced with simple analysis and histograms.

七年级的数学学习将继续加强学生在代数中的知识学习。这个阶段的学习主要包括，有理数和无理数的运算，解一元一次方程和一元一次不等式，认识不同的几何图形以及简单的数据分析。学生将被鼓励去使用正确的概念、符号、数学方法去解决实际问题。这部分的数学学习将进一步培养学生有技巧的、有步骤地解决各种不同的问题。

The course continues to emphasize the foundations of algebra. The other topics include numbers, expressions, equations, functions, basic geometry and statistics. Students should be encouraged to use correctly the concepts, skills,

patterns, applications and data analysis. The major goal for this period of math learning should be the development of problem-solving skills.

这个阶段的数学学习，内容主要集中在数的运算、代数式的运算、函数的理解和运用、简单的几何概念和统计学基础知识。学生通过这部分内容的学习，将会更加熟悉代数的具体表现形式和运用和函数在实际生活中的应用，学会一些几何的概念和证明以及统计中简单数据分析。提升学生解决问题的能力是该学年数学学习的主要目标。

### **Humanities 7 & 8 七、八年级人文课**

Humanities is a course that integrated both English language arts and social studies. Students will be examining snapshots throughout time to gain a deeper understanding of world history as well as applying reading, writing, listening, speaking and language skills to aid in the development of the English language. We will be using both the Common Core standards for English language arts and the Aero Standards for social studies.

人文学课程既包涵英语语言学习，又涵括了社会学知识。学生将通过多媒体领域学习获得对世界历史更深层次的理解展开学习文化知识，同时提供了阅读、写作、听力、说话以及语言技能，有助学生巩固培养英语语言。我们利用核心标准进行英语语言学习，遵循进行社会学学习。

### **Music 7 & 8 七、八年级音乐课**

Grade 7 students explore the main elements of music in order to develop musical literacy, understanding, and creative potentials, whereas student musicianship and composition is emphasized alongside their development of musical literacy and understanding in Grade 8.

七年级学生探寻音乐的主要元素以发展其音乐素养、理解能力和创造性潜能，而学生的音乐技巧和音乐创作则将在八年级发展他们的音乐素养和对音乐的理解的同时着重培养。

### **Physical Education 7 & 8 七、八年级体育课**

This course emphasizes participation in a variety of enjoyable activities that promote lifelong healthy active living. Student learning will include developing locomotor skills, taking on challenges, participation to enhance personal competence, fitness and health, examination of personal health and well being, as well as developing interpersonal skills.

本课程着重让学生参与多种愉快的活动来促进终身健康的积极生活方式。课程学习将包括发展运动技能、接受挑战、参与课堂以加强个人能力、见看、个人健康考试以及发展交际技巧

### **STEM 7 & 8 七、八年级 STEM 课**

STEM stands for science, technology, engineering, and mathematics. Students often study these subjects in different courses in school. In everyday life, however, these four areas are intertwined behind much of our modern world. In the STEM course, students explore these areas simultaneously in a project-based environment.

STEM 是指科学、技术、工程和数学。学生通常在学校的不同课程里学习到这些科目。然而在我们平常生活的世界里，这四个领域却是紧密联系在一起。STEM 课上，学生将在以项目为基础的环境下同时探索这四个领域。