

EDUCATING MINDS, TRANSFORMING LIVES

Middle School

ACADEMIC
CATALOG

2026
2027

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Mission

Educating minds
and transforming lives
to impact the world for
the glory of God

Vision

Our authentic international
educational community
will serve as a gateway to
purpose, empowering and
equipping global learners to
lead positive change

Core Values

Academic Excellence
Biblical Worldview
Caring Community
Personal Excellence

Expected Student Outcomes

ICS's Expected Student Outcomes (ESOs) embody the characteristics we desire each student to grow in during their time at ICS, whether that time is for one semester or 14 years. ESOs are organized into three categories: interpersonal, curricular, and spiritual.

Interpersonal

ICS students will recognize their personal uniqueness through demonstrating cultural sensitivity, developing a godly self-image, and living productively.

Curricular

ICS students will demonstrate academic excellence by becoming critical thinkers, quality communicators, and problem solvers.

Spiritual

ICS students will appreciate God and His word and develop biblical character by imitating Christ, modeling teachers, and obeying biblical authority.

Appreciate God & His Word

When I read God's Word, I learn more about who He is so that I can apply it to my life.



Cultural Sensitivity

I have an understanding and respect of different cultures, values, and points of view.



Godly Self-Image

I recognize that every person is created in God's image for a purpose.



Living Productively

I contribute my time, energies, and talents to improve the quality of life in our school community, nation, and world.



Critical Thinkers

I apply higher-level thinking skills to academic and real-world scenarios.



Quality Communicators

I effectively express my thoughts, ideas, and emotions in a variety of ways, such as verbal, written, and artistic.



Problem Solvers

I define and resolve problems based on prior knowledge and research in academic and real-world scenarios.



Develop Biblical Character by Imitating Christ

I follow Jesus' examples of how to live life and treat others.



Develop Biblical Character by Modeling Teachers

I recognize situations when my teachers and other authorities are modeling good character, and I follow their example.



Develop Biblical Character by Obeying Biblical Authority

I respect and honor the systems and authorities that God has made, such as my family, school, community, government, and country.



The inclusion of a course description in this guide does not guarantee the course offered will fit into a student's schedule or will have space for enrollment. A course scheduling often depends on a minimum number of interested students.

Service Learning



SERVICE LEARNING “Project 4:12” | Length: Year

The service learning program empowers students to be people of service beyond just requirements or programs, but who instead live a lifestyle of service, serving with joy and intention to benefit others. The ICS community wants to foster their ability to see that they can make a difference at any age level and in any location, serving and loving others just as Christ has served and loved us.

The service learning program:

- Provides the ICS community with opportunities to explore concepts of sacrifice, intentionality, humility, and varying methods of serving others so that as they grow, students will learn to look beyond themselves, see the needs of others, and be willing to help. Throughout the year, students will serve and reflect on their experiences.
- Equips community members to discover the needs of those around them and identify ways they can sacrificially meet those needs through their time, talents, and abilities.
- Our capstone project for Service Learning is Week Without Walls. Students serve both locally and globally on teams made up of middle and high school students to meet the needs of partner organizations.

Bible



BIBLE 6: BIBLE BASICS

The purpose of the Bible 6 course is to establish how to read the Bible from an academic and personal devotional perspective. The students will learn a foundational method of inductive Bible reading and will be able to write and talk about the Bible from a personal study perspective. Students will learn about the Grand Narrative, which is a way of understanding the Bible that connects the entirety of the Bible into one cohesive story that is connected through several common themes, rather than thinking about the Bible as a collection of separate stories. By the end of Grade 6 Bible, the students will be able to look at any passage of Scripture and come to a conclusion about what the Scripture is saying through their use of inductive Bible study and will be able to articulate how that Bible passage fits into the Grand Narrative themes and structures.

BIBLE 7: WISDOM AND POETRY

The purpose of the Bible 7 course is to understand how to “get wisdom” (Proverbs 4:5) from a biblical perspective. This course will focus specifically on the books of Proverbs, Ecclesiastes, and Job. Students will examine various sources from which we can obtain wisdom utilizing a biblical worldview. By the end of this course, students will be able to articulate what biblical wisdom is and how to look in the Bible for advice on various practical aspects of life, as well as analyzing all sources of advice and wisdom in their lives through a Biblical worldview lens.

BIBLE 8: FOUNDATION AND THE PATRIARCHS

The purpose of the Bible 8 course is to lay the foundation for the biblical narrative by studying Genesis and Exodus, as well as summarizing the rest of the Pentateuch. Students will understand the narratives of creation, the fall, and the beginning of the plan of redemption completed by God in His calling of His people. Students will focus on the ideas of covenant and law, and how both of these biblical concepts reflect God’s loyal love for His people.. The students will explore some of the most famous stories of the Old Testament found in Genesis and Exodus, and will be able to see how these stories are not individual stories, but that they are all linked together with common themes, and by being able to see the true character of God. By the end of this course, students will be able to articulate how God seeks relationships with people, and how He is working throughout history to accomplish His goal of redemption.



Design Technology

DESIGN TECHNOLOGY 6

Design Technology 6 is a project-based course in which students will explore their creativity through hands-on learning and collaborative experiences in making and inventing. This course is centered around three themes: idea communication, using the design process to create innovative artifacts, and effectively contributing to project teams. Topics include model making and coding fundamentals. The learning experiences in this course are designed to help students foster a growth mindset, allowing students to try new things, celebrate progress, and develop persistence.

DESIGN TECHNOLOGY 7

Design Technology 7 will build on the skills and experiences of the previous course while driving students to higher levels of complexity in creative work. This course is project-based and centered around three themes: using the design process, graphic design principles and effectively contributing to project teams with a focus on Advertising Design project teams. Topics include graphic design, data collection and analysis, product development and an introduction to marketing principles. This course aims to prepare students for their future courses and careers through open-ended challenges to develop complex problem-solving, critical thinking, creativity, and collaborative skills.

DESIGN TECHNOLOGY 8

Design Technology 8 will continue to develop students' creative potential through open-ended projects that allow for greater autonomy and student ownership of their learning. This project-based course is focused on three themes: using the design process to create/improve prototypes, effectively presenting creations to an audience, and project management. Topics include design thinking, product design, and user-centered design (UCD). The learning experiences in this course will foster a culture of innovation, empowering students to be creative problem-solvers and behave like designers. Students will learn more about their world and be challenged to use their gifts to contribute to the good in the world for the glory of God.

English



ENGLISH LANGUAGE ARTS 6

English Language Arts 6 builds foundational skills in reading, writing, speaking, and listening. Students read a variety of fictional and informational texts to analyze theme, plot, character development, and author's purpose. Writing instruction emphasizes clear organization, evidence-based claims, and narrative technique through creative writing, argumentative essays, and an introductory research project. Through discussions, debates, and presentations, students practice expressing ideas clearly and collaboratively. By the end of the course, students demonstrate growing independence and confidence as readers and writers.

ENGLISH LANGUAGE ARTS 7

English Language Arts 7 strengthens analytical thinking and academic communication through increasingly complex texts and tasks. Students examine how literary elements interact to shape meaning and analyze how authors develop and support their viewpoints. Writing focuses on refining thesis-driven essays, strengthening reasoning, and integrating credible sources for a range of purposes and audiences. Students engage in collaborative discussions, formal debates, and research-based presentations. By the end of the course, students show increased precision, critical thinking, and independence in written and oral expression.

ENGLISH LANGUAGE ARTS 8

English Language Arts 8 prepares students for high school-level literacy through advanced analysis, synthesis, and purposeful communication. Students analyze complex texts, focusing on how dialogue, key events, and authorial choices develop themes and arguments. Writing tasks require sustained, evidence-based analysis, independent research with standardized citation, and polished narratives. Speaking and listening activities emphasize clear reasoning, strong evidence, and effective delivery. By the end of the course, students demonstrate readiness for the demands of high school English.

Math



MATH COURSE 1

This course builds on the arithmetic skills developed in earlier years such as operations with rational numbers. Abstract concepts are introduced as well, such as algebraic expressions, and coordinate planes. Area calculations are extended to more complex shapes, and basic statistical concepts are introduced and applied. Problem-solving, reasoning, and connections between math and everyday applications will be emphasized throughout Math Course 1.

MATH COURSE 2

This course is focused primarily on algebraic expressions, properties of equality, geometry, measurement, data analysis, and number sense. It will build a foundation through the use of technology, manipulatives, problem-solving, and cooperative learning to prepare students for pre-algebra. Problem-solving, reasoning, and connections between math and everyday applications will be emphasized throughout Math Course 2.

PRE-ALGEBRA

This course is to serve as a bridge between middle school mathematics and Algebra 1. It is designed to prepare students for a standard high school algebra course. It will build a foundation of algebraic concepts through the use of technology, manipulatives, problem-solving, and cooperative learning. Concepts include algebraic expressions, linear equations, inequalities, geometry, statistics, and graphing. Reasoning and connections between math and everyday applications will be emphasized throughout Pre-Algebra.

ALGEBRA 1

Algebra 1 is a high school level course offered to advanced math students. This course builds on foundational pre-algebra skills to solve more advanced equations and systems of equations. Students will be introduced to function notation and will explore linear functions through both graphical and analytical approaches. The curriculum includes operations with polynomials and methods for solving quadratic equations, including factoring, completing the square, and graphing. Additionally, students will gain a preliminary understanding of nonlinear functions, including inverse, radical, and rational and exponential functions.

Science



SCIENCE 6

Science 6 is a program that blends hands-on investigations, literacy-rich activities, and interactive digital tools to empower students to think, read, write, and argue like real scientists and engineers. Students' abilities will be progressively built to meet all the Next Generation Science Standards (NGSS) grade-level expectations through a three-dimensional sequence as we progress through various units in the life sciences, earth and space sciences, and physical sciences. Engineering internship units in metabolism and earth's changing climate follow their respective units to reinforce key concepts and guide students to apply what they have learned to design a solution to engineering problems.

SCIENCE 7

Science 7 blends hands-on investigations, literacy-rich activities, and interactive digital tools to empower students to think, read, write, and argue like real scientists and engineers. As we transition to this new program, students' abilities will be progressively built to meet all the Next Generation Science Standards (NGSS) grade-level expectations through a three-dimensional sequence as we progress through various units in the earth and space sciences, physical sciences, and life sciences.

SCIENCE 8

Science 8 focuses on Integrated Science and invites learners to build scientific and technical skills via the co-creation of their own digital "textbook." Students will interact with various text, images, animations, videos, databases, laboratory equipment, data sets, natural materials, and other learners in the class. This course challenges students to embrace a local environmental challenge which focuses on Singapore's water story and the many technologies that deliver clean water to our residents, schools and businesses. We will contrast our local water story with those of other nations so students can build a larger and more complex picture of water security, clean water access, and sustainability strategies. Within these contexts, students will build a strong foundation in life, physical and environmental sciences as well as engineering and technology. During the second semester, students examine biodiversity loss through the lens of genetics and species endangerment.

This course will help students practice hands-on laboratory skills, peer collaboration, essential literacy skills for STEM subjects, and applied math and design skills.

Social Studies



SOCIAL STUDIES: GLOBAL STUDIES 6

This course aims to cover the basics of physical and human geography. Students will study the physical geography of different regions of the Eastern world covering Asia and Africa and learn how this often directly impacts the cultural ideas of a particular place. The students will become more adept at understanding the cultural diversity and political events happening around the world.

SOCIAL STUDIES: GLOBAL STUDIES 7

This course aims to cover the basics of physical and human geography. Students will study the physical geography of different regions of the Western world covering the continents of Europe, North and South America and learn how this often directly impacts the cultural ideas of a particular place. The students will become more adept at understanding the cultural diversity and political events happening around the world.

SOCIAL STUDIES: ANCIENT WORLD HISTORY 8

Ancient World History provides students with the opportunity to learn about the great early civilizations of the Americas, Asia, Africa, and Europe. This course explores why and where early civilizations developed. It will compare the political and economic systems of civilization and examine the culture, religion, and technological advances of ancient civilizations. Through this course, students will be able to answer questions such as: How and why do humans organize their societies the way they do? How does technology affect people's lives? Why do civilizations rise or decline?

Physical Education



PHYSICAL EDUCATION

Physical Education involves physical movement, movement concepts, tactical awareness, fitness knowledge, and social interactions. The year will be divided into 8 units. Each unit has a sports topic focus, and students will learn strategies for mental health, social interaction, and/or various fitness/nutritional topics. There will be three specific sports and one unit that encompasses fitness. The units covered in PE will include Soccer, Volleyball, Basketball, High Intensity Interval Training (HIIT), Fitness/Sports Development, Badminton, Ultimate Frisbee, and Indoor Sports.

Electives



3D DESIGN AND PRINTING

In this course, students will develop their 3D design skills and learn about 3D printing. Students will build their foundational knowledge of 3D design, spatial reasoning, and fine motor skills. Students will use 3D design to create, innovate, and solve real-world problems.

ART 1

This art course includes hands-on studio explorations in drawing, painting, and printmaking. It also includes a glance at art history, including historical and contemporary artists. Students will engage in fun, meaningful projects and activities, with an aim to develop critical thinking skills, creativity, and personal discipline.

ART 2

This course includes hands-on studio explorations and will build upon previously learned skills in middle school Art 1, such as drawing and painting, while also learning new mediums, such as ceramics. Students will continue to deepen their critical thinking skills, creativity, and personal approach to art making.

CHOIR

Middle School Choir is a traditional performing ensemble dedicated to the development of foundational vocal artistry and musical literacy. Throughout the year, students cultivate healthy vocal production techniques and master the fundamentals of Western musical notation in both treble and bass clefs. The curriculum features a diverse range of choral literature, including sacred and secular Classical works, Jazz, Broadway, Folk music, and contemporary popular arrangements scored for two and three parts. Beyond the classroom, students refine their stage presence through various performances.

DIGITAL PUBLISHING

Whether students are new to the craft or looking to sharpen your skills, this course provides a dive into the fundamentals of graphic design, focusing on how to balance space, typography, and layout to communicate powerful ideas. Students will be exposed to digital publishing tools—including Youidraw, Adobe Express, and Marq—to bring their visions to life through a variety of creative projects.

With a specific focus on preparing students for the HS Yearbook class, the curriculum emphasizes real-world application; while projects evolve each year, students will consistently tackle a signature yearbook page redesign to hone their page-layout eye.

DRAMA

Middle School Drama provides an introductory exploration of both performance and technical theater. The course focuses on the development of foundational acting skills, improvisation techniques, and character work, including the study of vocal accents where applicable. Students are introduced to the essential language of the stage through units on theater terminology and production concepts, such as staging, lighting, and sound design. This comprehensive approach

ensures students understand the collaborative nature of the craft. Participation is a key component of the curriculum; students are required to perform in the end of semester program and must engage directly in the school's annual production as either actors or stagehands during the first semester.

MANDARIN 1A

Mandarin 1A introduces students to the basics of the language, including Han Yu Pin Yin (the Mandarin phonetic system) and Chinese character writing strokes. Students will learn basic listening, speaking, reading, and writing skills based on topics covered, such as greetings, numbers, telling the date and time, introducing oneself and one's family, occupations, and transportation. Students will also be introduced to elements of Chinese Culture.

MANDARIN 1B

Mandarin 1B is a continuation of Mandarin 1A where students will re-visit familiar topics from the previous course to reinforce the former content and language skills acquired in the aspects of listening, speaking, reading and writing. Additionally, students will be introduced to three new topics on colors, clothes and hobbies. The course aims to help students establish a strong foundation and confidence in their study of the language.

MANDARIN 2

Mandarin 2 introduces students to a wider range of vocabulary and more simple sentence structures. Through a variety of learning activities like dialogue practices and projects, students continue to train their listening, speaking, reading, and writing skills. Topics covered are related to school and daily life, such as describing one's home, neighborhood, meals, weather, school facilities and school subjects.

MANDARIN 3

Mandarin 3 builds upon students' foundational language skills by expanding grammatical structures, vocabulary, and sentence patterns to enhance communication. Through practical conversations, text-based exercises, and engaging activities, students will strengthen their listening, speaking, reading, and writing abilities. Topics include school and family life, personalities, festivals, shopping, food culture, and travel.

MANDARIN 4A

Mandarin 4A continues to strengthen students' grammatical foundations and expand vocabulary, enabling them to construct longer and more complicated sentences. Through the exploration of familiar and meaningful themes, students develop their ability to express ideas, improve oral communication, and apply language skills in real-life situations. Course topics include family relationships, Chinese study tour, Chinese culture and cuisine, and community involvement. Students engage in listening, speaking, reading, and writing to build overall language proficiency.

MANDARIN 4B

Mandarin 4B builds upon students' language skills while deepening their cultural understanding. Through engaging class activities and relatable topics such as family relationships, future studies, overseas Chinese language programs, Chinese cuisine, health and diet, leisure and

entertainment, and modern technology, students enhance their listening, speaking, reading, and writing abilities. The course emphasizes practical communication, text interpretation, and presenting ideas in both personal and academic contexts. With a focus on real-world applications, students will gain confidence in using Mandarin to express themselves in everyday situations.

MUSIC APPRECIATION

Music Appreciation offers students a comprehensive exploration of the musical world designed to cultivate critical listening skills and discerning judgment of performances, compositions, and productions. The curriculum spans a diverse array of genres and technical studies, including the mechanics of the human voice and the fundamentals of digital recording and audio manipulation. Students engage in collaborative music-making—accessible to all skill levels with no prior experience required—to foster a practical understanding of theory and ensemble dynamics. By bridging the gap between historical context and modern technology, this course empowers students to move beyond passive listening and develop a sophisticated ear for musical nuance and artistic intent.

ROBOTICS

In this Robotics course, students will explore the foundational theories of robotics and examine how machines impact and enhance daily life. Through engaging, hands-on challenges and real-world problem-solving activities, students will gain the skills to design, build, and program robots using the VEX IQ system. By navigating the design process, students will not only learn technical skills but also develop essential life skills such as teamwork, critical thinking, and creativity.

SPANISH 1

This course is an introduction to the Spanish language. It focuses on speaking and listening while also developing fundamental reading and writing skills. Topics include basic greetings, numbers, telling the date and time, introducing oneself, adjectives to describe oneself and family members, likes and dislikes, school subjects, and school supplies.

SPANISH 2

Spanish 2 is an intermediate course that continues to focus on developing listening, speaking, reading, and writing skills by introducing students to more topics related to school and daily life. Students are also exposed to a wider range of vocabulary and more simple sentence structures.

SPANISH 3

Spanish 3 is a continuation of Middle School Spanish 2 and will challenge students with advanced vocabulary, grammar, and sentence structures that will be useful and necessary in more complex conversations and situations. Students will continue to develop their speaking, listening, reading, and writing skills and learn more about the cultures of Spanish-speaking countries around the world.

SPORTS DEVELOPMENT

Sports Development offers an exciting opportunity to delve into diverse strength training and fitness routines. Through this course, students will engage in practical exercises designed to boost their performance, all requiring minimal equipment and space.

VIDEO EDITING & PRODUCTION

In this Video Editing & Production course, students will immerse themselves in the creative and technical aspects of videography while mastering the fundamentals of video production. During pre-production, they will explore story development, scriptwriting, and storyboarding. In the production phase, students will learn the essentials of visual composition, lighting, and sound. Post-production will focus on using software tools to edit video and audio, bringing their stories to life. Through a series of mini-projects, students will apply their skills while fostering planning, organization, collaboration, and creativity.

VIDEO GAME DESIGN

In this Game Design course, students will dive into the exciting world of interactive digital media by creating their own games using JavaScript and the p5.play library. They will learn core programming concepts such as variables, functions, loops, and object-oriented programming while applying game design principles like character movement, collision detection, and scoring systems. Through hands-on projects, students will develop and refine their games, enhancing skills in problem-solving, logic, and creativity. By the end of the course, students will have built playable games to share and showcase their unique ideas.

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