



ICSV Elementary School Course Descriptions

Language Arts

Primary

In Primary, we focus on rhyming and recognizing letters and their corresponding sounds in order to segment and blend those sounds as students learn to read and write. In reading, the focus is on comprehension, fluency, accuracy, and vocabulary acquisition. Students will learn to make connections between illustrations and written words, while recognizing high frequency words. They will recall and retell main events and be able to compare and contrast actions and character attributes in familiar stories. They will recognize the main components of a story such as setting, plot, and main idea. Students begin to learn about the writing process that includes traits of good writing, forms of writing, and themes. They also focus on writing words and sentences, using the correct punctuation, and learning to recognize nouns, verbs, and adjectives. Eventually, students are encouraged to take these skills and practice them independently in their own writing.

Grade 1

Phonics, literature, vocabulary, grammar, handwriting, and writing composition is all integrated within the First Grade Language Arts program. Students participate in intensive differentiated phonics instruction, equipping them to become fluent readers, build comprehension skills, and learn the phonics rules to apply to their reading and writing. Students are introduced to high quality literature during classroom read aloud times building on listening comprehension skills and encouraging students to develop a passion and love for reading. Additional literature (weekly anchor text) is used to introduce a variety of fiction and informational text (nonfiction.) Each anchor text presented aims to help students develop in their knowledge of the features of literature, develop their comprehension and connection to text, introduce reading skills and strategies, and increase their fluency of reading accurately at an appropriate pace. Students collaboratively participate in discussions where comprehension, summarizing, and retelling of the text build language skills and oral speaking skills. Students then apply their oral language skills as they begin learning and applying the steps of a writing composition. Students explore mentor texts and participate in classroom writing assignments as they are learning about excellent writing. Basic conventions of writing (like capitalization, handwriting, punctuation, and proper English grammar) are applied as students learn how to construct correct and strong sentences in their writing books and integrated writing assignments. Throughout the year students will be writing paragraphs about their own life, to share their opinion, and to present researched information. Additionally, students learn to write how-to books, letters, and make-believe stories. We thank God for the gift of language and opportunity to learn how to communicate in coherent and convincing ways.

Grade 2



Reading continues to be of primary importance in grade two. Students learn to ask and answer such questions as who, what, where, when, why, and how to demonstrate understanding of key details in a text. They recount stories, including fables and folktales from diverse cultures, and determine their central message, lesson, or moral. They describe how characters in a story respond to major events and challenges. They acknowledge different points of view. Students also learn and use a variety of strategies to improve their comprehension, accuracy, fluency, vocabulary, and critical thinking skills. Students learn about the writing process, and in the course of the year they will write narrative, persuasive, and expository pieces, including a research project. Students will also learn the proper conventions of the English language during the course of writing units.

Grade 3

In third grade, the students learn and use a variety of strategies to improve their comprehension, accuracy, fluency, vocabulary, and critical thinking skills. Students learn about the writing process, and in the course of the year they will write narrative, persuasive, and expository pieces, including a research project. Students will also learn the proper conventions of the English language during the course of writing units.

Grade 4

Fourth grade is an integral year for students in their reading development. Students build on the comprehension skills they have acquired in previous years and work towards analyzing texts and strengthening their reasoning. Students work towards communicating their ideas clearly, both orally and through their writing. Students also learn how to use evidence to support their thinking in all areas. When students become critical readers, they can evaluate a text and use their skills to discern the truth. Students can also use their collaboration and note-taking skills to better understand God's word and learn from one another. Fourth graders develop the aforementioned skills by reading a variety of fiction and nonfiction texts, participating in academic conversations, and completing projects.

Grade 5

In 5th grade students will build on the skills that they utilized in 4th grade in order to deepen their analytical and interpretive skills. Using a variety of strategies students will be able to cite evidentiary support for their interpretations and positions via writing and discussion as they respond to fiction and non-fiction texts. Students will also learn to analyze usage of figurative language and writing strategies in master poetry with the goal of incorporating these skills in their own writing. Students will also work to extend their writing into finished projects and reports in a variety of genres using the writer's process and credible outside sources.



Math

Primary
Primary Math focuses on numbers and operations, geometry, measurement and data. Students will learn to model, read, write, order, and compare the numbers 0 to 30, while counting to 100. They will solve simple, single digit addition and subtraction problems. Students will sort, describe, and compare using color, shape, and size. They will also practice measuring and comparing length, height, and weight.
Grade 1
First Grade Math will build on God's truth and order found in our physical world. Students will begin the year by developing their number sense of numbers 0-120, making connections between numbers and objects. Next, the students will work with addition and subtraction and will learn strategies for solving problems, discover ways to visualize word problems, and articulate solutions. We will move into algebraic concepts where we will discover connections between addition and subtraction, compare numbers, and solve two-digit problems. Last, we will learn about measurement in terms of length and time, identify features and manipulate 2D and 3D shapes, and interpret graphs. Throughout the year, students will learn and build onto their fact fluency and mental math skills.
Grade 2
We will cover 11 chapters in math this year, with daily lessons, projects, and a test at the completion of each chapter. Here is an overview of the topics we will cover this school year: number concepts, numbers to 1,000, basic facts and relationships, 2-digit addition, addition and subtraction, 3-digit addition and subtraction, money and time, length in customary units, length in metric units, data, geometry and fraction concepts.
Grade 3
In third grade, students study place value, addition and subtraction, representing and interpreting data, multiplication and division facts and strategies, understanding and comparing fractions, time, measurement, two-dimensional shapes, perimeter and area. A large focus is placed on learning to work through multi-step and multi-operational word problems.
Grade 4
In fourth grade math, students study a variety of topics including place value, operations with whole numbers, fractions, decimals, geometry, measurement and data. In multiplication and division, students focus on distinguishing multiplicative comparison from additive comparison. The specificity and academic language for comparison in grade 4 helps prepare students for formal algebra and sophisticated courses



in later years. Likewise, multistep contextual problems are used to teach these concepts. Students learn to use the four operations with whole numbers to solve problems. They generalize place value understanding for multi-digit whole numbers. Additionally, grade 4 students learn to use place value understanding and properties of operations to perform multi-digit arithmetic. Students extend their understanding of fraction equivalence and ordering. They build fractions from unit fractions by applying and extending operations on whole numbers. Students start to understand decimal notation for fractions and compare decimal fractions.

Grade 5

This course is aligned with the Common Core Standards for 5th-grade mathematics and focuses on three areas such as numbers, algebra, and geometry. The students will be instructed and given practice in basic mathematical operations and problem-solving strategies in the areas of addition, subtraction, multiplication, and division of whole numbers, decimals, fractions, ratio and proportion, and geometry.

The students will become skilled at the addition and subtraction of fractions. They will continue to develop an understanding of the multiplication of fractions and learn to do some simple division of fractions. The students use the meaning of fractions, multiplication, and division to understand why the processes for multiplying and dividing fractions make sense.

In Algebra, the students will expand their knowledge of division to include 2-digit divisors and decimal operations. The students will have mastered multi-digit addition, subtraction, multiplication, and division. The students will learn to add and subtract numbers with decimals to the hundredths. They also develop an understanding of the relationship between fractions and decimals. We do a lot of real-world problems to improve application skills.

The students will develop an understanding of volume as a property of three-dimensional space in geometry. They will learn how to approach and solve problems regarding the estimation and measurement of volume.



Science

Primary

Students learn what science is and study animals, plants, habitats, and the concepts of day and night, as well as how this relates to our calendar in terms of earth's rotation and revolution. They identify and describe their five senses and utilize them to observe and learn about the world around them. They begin to describe and pose questions through observing, comparing, measuring, and sorting. Students study living and nonliving things in addition to the life cycles of various plants and animals as well as how to classify them.

Grade 1

In science, students explore and learn how to appreciate the beautiful world that God has created and how each can help take care of the world. Students develop an understanding of basic scientific vocabulary, the scientific method, and enjoy many hands-on experiments. First graders explore through four units interspersed during the year: Light and Sound, Space, Earth Science, and Survival of Living Things.

Grade 2

In Second Grade Science, students demonstrate inquiry and problem solving skills as they explore each topic. They follow the scientific method and identify and describe a variety of science tools and their usage. They develop their understanding of the design process and how to apply it on a basic level. Students understand what technology is and how it is helpful in the field of science. Students learn to describe and compare different kinds of animals and talk about their basic needs. They are able to explain the basic characteristics of all life cycles, and to describe the sequence of life stages for frogs, butterflies, birds, fish, and mammals. They are able to explain and define what a fossil is and how it was formed and to identify a plant's needs, parts, and life cycles. Second grade students understand that living organisms are interdependent with their living and nonliving surroundings. They describe how adaptations help living things survive in their environments and how environments change due to time, natural events, and living things.

Grade 3

In third grade, students learn to read and engage with non-fiction text that covers topics such as changes to the Earth's surface, Earth's resources, Changes in Weather, the Solar System, Properties of Matter, Energy, and Magnets. They participate in STEM activities where they learn to think like a scientist and solve problems using the Engineering Design Process.

Grade 4



In fourth grade science, students develop scientific inquiry skills and utilize the steps of the Scientific Method to conduct experiments designed to find the answer to questions. The students conduct a variety of scientific inquiries related to the study of physical science, focusing particularly on the engineering process, plants and animals, energy and ecosystems, weather, and earth and space.

They plan, record, analyze, and share data gleaned from experiments. Units include the engineering process, plants and animals, energy and ecosystems, weather, earth, and space.

Grade 5

In fifth grade science, students develop scientific inquiry skills and utilize the steps of the Scientific Method to conduct experiments designed to find the answer to questions. The students conduct a variety of scientific inquiries related to the study of physical science, focusing particularly on the study of matter, energy, electricity, and motion.



Social Studies

Primary

Students begin the year by identifying the purpose of rules and why there are consequences of breaking those rules. They learn to cooperate, take turns, and share, as well as how to understand the need for safety signs. They learn about the community around them, family and homes, people who help us, and forms of transport. Students will make connections from their science lessons about weather and seasons to better understand how people dress and live in different parts of the world. They learn and memorize the 7 continents as well as how to identify bodies of water and landforms.

Grade 1

In Social Studies, students explore the community and the people around them. Students begin by taking a look at how they contribute to and interact with those in our classroom community. Next, we begin looking more closely at families long ago and today, comparing cultural features, customs, traditions, and celebrations of those in our classroom community. We continue learning about communities as we look into jobs and economics and discuss buying, selling, and processing goods. We will also look closely at the geography of Austria, Europe, and the World; improving our map skills and ability to describe land features.

Grade 2

In Second Grade Social Studies, students learn to explain the rights and responsibilities of a citizen at home, in school, and in the community. They recognize the need for rules and laws and identify consequences for breaking them. Students identify and describe functions of government and understand how government work is paid for by taxes. They are able to describe why we need leaders and how leaders are chosen through the process of voting. Students identify and explain the roles of producers and consumers and describe how goods and services are related to a business. Students recognize the difference between needs and wants. Students will learn map skills like using a compass rose and a map key. Students identify and describe a variety of landforms. Students also study cultures from around the world, identifying differences in dress, art, language, food, music, and beliefs.

Grade 3

Third Grade Social Studies begins with a review of geography and map skills. The students then focus on the communities around them, looking at their geography and changes that have taken place over time. They study citizenship, government, economy, and technological innovations that have improved our societies.

Grade 4



Fourth graders explore the way major groups, societies, and nations interact with one another. Students learn about a variety of political systems and how those correspond with the elements of a country's belief system. An understanding of a country's creed and code of behavior, leads to an understanding of unique countries around the world. Students apply these concepts through a cumulative project through which they build a unique country with landforms, belief system, and government structure. Students have the opportunity to learn about the importance of the international community through completing "Mock-UN" activities throughout the semester.

Grade 5

Fifth grade students develop the academic vocabulary and regional knowledge of the climate and topography of several world regions in order to discuss the effects that the physical landscape and climate have on a region's population, growths, opportunities, and challenges. Students will develop a greater understanding of location and place by units on map skills and the continents. They develop an understanding of how belief systems, political divides, various people groups, and other geopolitical factors have on the development and history of a region. Students study South and East Asia to see how these regions have been impacted by the humans who inhabit them. They analyze key events, people, and political developments in order to discuss the impact that these have on the international community.



Bible

Primary

Emphasis in the Primary Bible class is to introduce and begin to understand a Biblical Worldview and deepen students' faith roots. Bible class is designed so that students view all of life through a Biblical Perspective in order to equip students to stand firm in the face of everyday challenges. Students will engage in activities that encourage a love for Jesus and build Godly character through learning Bible stories, memorizing weekly Bible verses, role playing, drawing, dancing and singing, which ultimately impacts students' behavior and core values. Throughout the year both the Old and New Testament are covered and students will learn all of the books of the Bible through songs and visuals.

Grade 1

In 1st grade, students learn that the Bible is God's Word and true! Throughout our days together, students see how every subject and topic reveals the character of God, His creation, and His plan and purpose for each person. In our Bible lessons, students will experience the story of the Bible from Genesis and the Patriarchs to the promised Messiah, Jesus Christ. Students develop an understanding of some important events and people in Scripture, look deeply into the character of God, and reflect on Jesus' salvation plan for each person.

Grade 2

In second grade students explore the Gospels (Matthew, Mark, Luke and John), focusing on the life, death and resurrection of Jesus and what that means for our lives. We will also talk about how all of the shorter Bible stories we hear work together to tell ONE, very important story -- the story of Jesus Christ.

Grade 3

The third grade Bible curriculum focuses heavily on the Old Testament. Through our study of these stories we examine what the stories tell us about God, what they mean, and how they should change our lives. The students participate in discussions, asking and answering questions that cause them to dig deep and evaluate what they believe and why. Each unit also has a section on apologetics where students learn how to defend their faith through topics such as studying historical artifacts that prove the reliability of Scripture.

Grade 4



In fourth grade, students will learn to apply Biblical truth through the in-depth study into the life of Paul and the Early Church. Students will use Bible reading, inductive study, scripture memorization, character trait study, and socratic questioning to apply their knowledge in a real and practical way.

Grade 5

In fifth grade, students learn to read and apply Scripture to their daily life through Bible study methods focusing on reading, observing, applying, and praying over Scripture. They will also in class study an overview of the Old Testament focusing on the overarching themes and storyline of Scripture with an aim to understand and interact with the character and promises of God and message of the Bible as a whole. Students will build their understanding of a Christian worldview by comparing Christianity to other belief systems and by learning from modern heroes of the faith.



German

Primary

Students learn to speak and understand German on a very basic level. They understand and use familiar everyday expressions and very basic phrases aimed at the satisfaction of needs of a concrete type. They can introduce themselves and can speak and answer simple personal questions, such as what they like to do and things they have. The students can interact in a simple way provided the other person talks slowly and clearly and is prepared to help. Students also start to understand the Austrian culture. Particular vocabulary that students learn is as follows: food, family, school, traffic, seasons, animals, body parts, clothes, hobbies, numbers, colors, and introductions. They start getting familiar with reading and writing German words and short sentences. The children also learn some German songs and stories.

Grade I

First Grade German is a continuation of Primary German. This year they learn the following: food, family, school, traffic, seasons, animals, body parts, clothes, hobbies, informal introductions, numbers, colors, initial sounds, rhyming words, and simple compound words. They learn how to read and write words and simple sentences. They also learn more German songs and stories.

Grade 2/3 Beginner

Students learn to speak and understand German on a very basic level. They understand and use familiar everyday expressions and very basic phrases aimed at the satisfaction of needs of a concrete type. They can introduce themselves and can speak and answer simple personal questions, such as what they like to do and things they have. The students can interact in a simple way provided the other person talks slowly and clearly and is prepared to help. Students also start to understand the Austrian culture, customs, and traditions of the German speaking community. Students learn the following vocabulary and constructions: food, family, school, traffic, seasons, animals, body parts, clothes, hobbies, numbers, colors, the alphabet, apartment, furniture, rhyming words, simple compound words, nouns, verbs, adjectives, and introductions. The children also learn some German songs and stories.

Grade 2/3 Advanced

This course is for students with good German basics. Students will improve their listening, speaking, reading, and writing skills. In grammar students will practice regular and basic irregular verb conjugations, basic tenses, parts of speech (nouns, pronouns, articles, verbs, adjectives, and prepositions) as well as sentence parts and compound words. They will extend their vocabulary of numbers, days, months, seasons, school, work, hobbies, sports, vacation, feasts, family, feelings, food, health, animals, plants, furniture, clothes, traffic, and informal introductions. The students will also focus on spelling high-frequency words, writing complete sentences, simple descriptions, and short stories. Some



geographical knowledge of Austria and Europe is provided in the course. Students will get to know German songs, practice sites, online practice games, role-plays, and books of different genres.

Grade 4/5 Beginner

This course is a continuation of what is taught in German grades two and three. Students will improve their listening, speaking, reading and writing skills. They will learn how to introduce themselves and communicate with basic phrases. In grammar students will learn the main parts of speech (nouns, pronouns, articles, verbs, adjectives, and prepositions) regular and irregular verb conjugations, present tense, a few simple past tense verb forms, question words, basic sentence structures, compound words, and practice the nominative and accusative case. Students will also learn/extend their vocabulary of the following topics: numbers, days, months, school, feasts, family, food, clothes, hobbies, sports, body, animals, apartment, furniture, in the city, vacation. They will read and write spelling words, simple texts and picture descriptions. Students will get to know German songs, practice games, online practice sites, role-plays, and books of different genres.

Grade 4/5 Intermediate

This course is a continuation of the Beginner course. In it students learn the following: prepositions, comparative, numbers, regular and irregular verb conjugations, time, dates, informal introductions, food, family, school, work, clothes, hobbies, sports, health, feasts, apartment, furniture, vacation, reflexive verbs, comparative and superlative, pronouns, prepositions, nouns, verbs, adjectives, descriptions, compound words, and rhyming words.

Furthermore, geographic and cultural knowledge of Austria and Europe are provided in the course.

Grade 4/5 Advanced

This course is a continuation of the Beginner course. In it students learn the following: present and simple past tense, modal and reflexive verbs, question words, conjunctions, comparative and superlative, pronouns, local prepositions, nouns, verbs, adjectives, descriptions, food, family, school, animals, clothes, hobbies, informal introductions, compound words, and rhyming words.

Furthermore, geographic and cultural knowledge of Austria and Europe are provided in the course.



English Language Learning

Primary- Grade 5

In the Elementary English Language Learning (ELL) program, students strengthen skills in all areas of English: listening, speaking, reading, and writing. Students study language through grade appropriate topics, developing understanding and skills that will allow them to achieve full fluency in English and participate independently in the mainstream classroom.



Art

Primary - Grade 1

ICSV primary and 1st grade art students will learn to visually express themselves through visual art, and will learn to work in a manner promoting a safe environment in which they may experiment and try new art media. Course work will be tailored to reinforce the goals of the class and to the curriculum.

Grade 2 - 3

ICSV grade 2-3 art students are encouraged to express themselves through visual art, as well as work in a way that promotes a safe environment in which students may experiment and try new art media. Students will begin learning about the history of art, its role in society, and God's place in art. Course work will be tailored to reinforce the goals of the class and to the curriculum.

Grade 4 - 5

Elementary visual arts classes at ICSV are intended to encourage and teach Primary through 5th grade students to express themselves through visual art, as well as to promote a safe environment in which students may experiment and try new art media. Students will expand their knowledge of the history of art, art's role in society, God's place in art and how art-making can become a part of their own lives. Course work will be tailored to reinforce the goals of the class and to the curriculum.



Music

Primary - Grade I

Students are equipped with the skills they need to worship God through music. Students will learn to read and write rhythms using iconic or stick notation. They develop a feeling for a steady beat and play percussion instruments. The students learn to identify and demonstrate an understanding of the parameters in music and various expressive qualities in music. They develop their singing voice, sing in unison and learn solfege patterns.

Grade 2-3

Students read and notate rhythms and solfege. They identify and demonstrate the absolute pitch names of the treble clef. Students learn to sing two and three part rounds. They recognize the different types of instruments visually and aurally and understand how sounds are created. Students will play Boomwhackers or ORFF-instruments.

Grade 4-5

In this course, students expand their knowledge of music theory and their ability to read music. They learn how to participate in singing two part harmony. Fourth and Fifth grade students will learn to play recorder or ukulele. The students study various composers of the Baroque and Classical periods.



Computers

Primary

Students have fun learning computer fundamentals. The introduction provides them with basic knowledge such as the functions of computer hardware, mouse/touch technology, and computer rules. They learn how to create with technology. By making simple drawings, they develop essential skills including how to open and close a program, select tools to perform a task, save and print, open and close a saved file and type using the keyboard. Students integrate the use of Information and Communication Technology to complete innovative theme- related activities.

Grade 1

Students create a storybook using Google Docs. They develop basic word processing skills to illustrate, write , edit and publish stories. Upon completion, they share their work. Students integrate the use of Information and Communication Technology to complete innovative theme- related activities.

Grade 2

Students create storybooks using Google Docs. They develop basic word processing skills to illustrate, write,edit and publish stories. Upon completion , they work. They also celebrate their own unique characteristics. They use Google Slides template to create an All about Me slideshow. The mini biography outlines personal details, accomplished goals and interests. Upon completion, students share their slideshow with a friend to compare how they are similar and different. This is an excellent way to enhance self- esteem, foster relationships and develop fundamental technology skills.

Grade 3

Students discover how to use digital art tools. They apply their knowledge to make a series of original art pieces that convey emotion, tell a story, send a message and express an idea. Students produce an animated art gallery with art work they created using Google Drawings. The fun begins with exploration of line and shape tools. Once familiar with how to create and format objects, next they transform text into a beautiful picture by formatting the style and color of letters.They then recolor and crop to create stunning images.

Grade 4/5

Students jump into the world of coding. They learn how to sequence blocks in ScratchJr. to build simple and loops. They design silly scenes, feed a pet monster, explore a magical land, race to the finish line and more! This fun filled program sparks students imagination.



Physical Education

Primary- Grade 2

Students develop their motor skills by using games and age appropriate movement drills. As they participate in structured “team oriented” and lead up games for sports such as soccer, volleyball, and basketball, students experience and discuss issues related to participation and personal fitness. In the process, they develop an appreciation of a healthy and active lifestyle. Students also learn basic gymnastics skills and play dodgeball.

Grade 3-5

Students develop their motor skills by using games and age-appropriate movement drills. As they participate in structured “team oriented” and or lead-up games for sports such as soccer, volleyball and basketball, students experience and discuss issues related to participation and personal fitness. They develop an appreciation of a healthy and active lifestyle. The skills they work on at this stage are further developed and reinforced when they advance to the middle school levels. PE at grade 3-5 also aims to develop a biblical understanding of exercise and playing a team sport. Students play lead-up games in basketball, volleyball and soccer,. They learn basic gymnastics skills and dodgeball games.



Library Information Skills

Primary to Grade 2

Students in primary to second grade become familiar with the library facilities, organization and services. They learn to find books, which are suitable for their age and how to treat borrowed items. They learn respect for others who are working in the same space. Students learn the basics of alphabet and number order, and library labeling. Primary and first grade learn to identify basic genres, how to distinguish between fiction and non-fiction as well as how stories are arranged. By first grade they should be able to demonstrate basic understanding of parts of a book as well as story elements (Character, setting, goal, problem and solution). They understand that information can be found in the library to answer questions they may have about any given subject. Second grade students are introduced to Destiny Discover – the ICSV Library catalog. They receive instruction on how to log in and perform simple searches. Additionally, they learn to differentiate call numbers and identify each relevant section of the library. They use spine labels and library signage to locate resources in order to address a topic of interest or need. In second grade students are introduced to research and know how a book is organized and how to use a table of contents and index. They understand that information can be found in the library to answer questions they may have about any given subject.

Grade 3 to 5

Third grade students are introduced to the ten main Dewey Decimal System categories and receive in-depth instruction on each category. This includes more exposure to nonfiction texts. Students learn more about Destiny, the ICSV Library catalog. They learn how to identify a call number in the system and use it to locate items on the shelves. They receive further instruction on how to identify relevant sections and use spine labels and signage to locate resources. Students should be able to identify numerous genres. They know how a book is organized and how to use a table of contents and index to locate information. Third grade students are introduced to Britannica School Online, learn how to create their own accounts, and save articles they find within Britannica. They understand the need to evaluate information that they find online and are made aware that it is necessary to cite their sources. Fourth and fifth grade students review the Dewey Decimal System and Destiny Discover features – specifically Destiny's Collections capability. Students in fourth and fifth grade receive more exposure to Britannica School Online and learn how to use EBSCOhost Explora Primary. They are taught how to identify relevant and accurate online resources. They receive instruction on how to cite various kinds of sources from print to digital using a modified MLA model and create a working bibliography. They understand and articulate the ethical use of information. Fourth and fifth grade students have lessons about ethical online behavior and digital citizenship. Fifth grade students will learn about Boolean Operators and simple advance search strategies.