## Curriculum Guide

For grades Pre-K through 12 at Thomas Jefferson Independent Day School


THOMAS JEFFERSON
INDEPENDENT DAY SCHOOL

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## Our academic principles stand the test of time.

Success does not happen by accident. It takes a strong work ethic and an unyielding commitment to excellence. But most of all, success takes preparation. At Thomas Jefferson Independent Day School, we lay the foundation for success in life by offering a curriculum that prepares your child to excel in college and all facets of life. Critical thinking skills and solid study habits are learned, and engaged parents play an integral role along the way. TJ does not waste time by following fads. Our focus is on a classic Western Civilization curriculum with texts that have stood the test of time. By learning about the history, culture, origins, and literature of Western civilizations, our students are able to better understand and appreciate other cultures. Laboratory sciences and advanced mathematics courses create opportunities to develop and strengthen problem-solving and research skills. World languages, art, and music offerings, which begin early on, further broaden the cultural scope of our liberal arts curriculum.

## THE EARTY CHIIDHOOD PROCRAM

The Early Childhood Division-consisting of the Pre-Kindergarten and Kindergarten programs-focuses on several discrete goals: preparing students for academic instruction; engendering enthusiasm for learning, developing an appropriate response to authority; and educating students to work collaboratively

|  | Language Arts | Math | Science | History/Social Studies | World Languages |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Pre- | The student will devote attention to reading, writing mechanics, listening, and oral communication. Instruction relies on thematic units, learning centers, stories, and smalland large-group activities. | The student will attach meaning to numerals. The topics include arithmetic skills, visual discrimination, number theory, geometry, problem solving, and measurement | The program centers on life science, earth science, and physical science. The student will learn through exploration and manipulation, relying on art projects, small-group experiments, games, songs, finger plays, and group discussions. | The program focuses on geography, communities, and citizenship. Instruction relies on learning centers, thematic units, and handson activities. | Spanish <br> This program stresses language acquisition through games, songs, oral practice, and proper pronunciation of Spanish expressions, numbers, nouns, verbs, and adjectives. They are able to produce some Spanish words in context, without prompting, before they enter the next grade. |
|  | The student will devote attention to reading, writing, mechanics, listening, and oral communication. The student will use phonics to recognize letters and sounds and decode unknown words. The student will listen to, read, and discuss stories, and engage in literature studies as a class. | The student will strengthen number recognition and the ability to quantify numbers through one hundred. Teachers will introduce the student to the general concepts of addition, subtraction, time, money, fractions, and measurement. | The program emphasizes life science, earth science, and physical science by relying on hands-on discovery, experiments, learning centers, and group activities. The student will learn how to use the scientific method. | The student will develop an understanding of community, family, and citizenship. The teacher introduces the student to the use of maps, globes, and charts to learn how to distinguish one place or region from another. | Spanish <br> This program stresses language exploration through games, songs, oral practice, and proper pronunciation of Spanish expressions. Communication skills are expanded as students learn simple vocabulary: nouns, verbs, and adjectives surrounding many themes. |


| The Arts | Program Enhancements |
| :---: | :---: |
| Art - Grades Pre-K and K Students in the Early Childhood Division learn to distinguish artwork in the studio from their more crafts oriented activities in the regular classroom. Their early focus is on recognizing the qualities of shape, color, and line; they move on to learning the color wheel and mixing color, combining and manipulating shapes to create visual images, and beginning to depict space. <br> Music -Grades Pre-K and K Students in the Early Childhood Division learn about music through songs, dances, stories and play activities. They also experiment with rhythm instruments and using their voices expressively. They learn nursery rhymes, folk songs, songs with actions, songs to accompany stories and games, and music of many styles. The classes perform three times a year at school concerts. | Technology - Grades Pre-K and K <br> Pre-Kindergarten and Kindergarten students have access to Tablet PCs in their classrooms during center rotations. Students use a variety of media and technological resources for directed and independent learning activities. The curriculum helps students develop skills and confidence in using technology and provides an effective means of gaining knowledge and expressing ideas. Early Childhood students also have access to the full computer lab for whole group activities. <br> Physical Education - Grades Pre-K and K The Pre-kindergarten and Kindergarten programs are aimed at challenging each student to demonstrate progress toward the mature form of selected manipulative, locomotor, and non-locomotor skills. Skills and games center on seasonal sports and recreational activities. In addition to focusing on fundamental ageappropriate skills and games, students will learn that physical activity and healthy nutrition are good for the body, and that they contribute to an active and healthy lifestyle. |

## After School Programs

All students in grades Pre-kindergatten and Kindergarten may participate in he Extended Day program where the chool provides after-school care for TJ students in grades $\mathrm{re-k}$ through 5 .
from $3-6$ p.m. Monday through Friday .

## THELOWER SGHOOL PROCRAM




|  | Language Arts | Math | Science | History/Social Studies | World Languages | The Arts | Program Enhancements | After School Programs |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Students will decode language and use phonics skills, building a sight-word vocabulary. They will maintain a journal and write stories as means of developing handwriting skills and further develop writing in complete sentences. | Students will add and subtract two-digit numbers without regrouping. They will understand concepts of time, The teacher emphasizes the process much as the solution. | Students meet with the science teacher in the science lab and engage in an entirely hands-on curriculum. Students learn scientific concepts and the scientific method through controlled experiments as well as reading and writing about science. Topics covered in $1^{\text {st }}$ grade are Organisms, Coding, Comparing and Measuring, Weather, Properties, Solids and Liquids, and The Moon and Beyond. | Students will explore the nature of communities by focusing on the school and neighborhood community. The studen of people and families. They will also learn map skills, including cardinal directions and concepts of continent, country, state, and city. | Spanish - Grades 1-2 <br> n $1^{\text {st }}$ and $2^{\text {nd }}$ grade most of class time is devoted to visual cues, songs, gestures, role plays, manipulatives, and listening practice in order to acquire vocabulary in context without translation. Students receive lots of comprehensible input and continue expanding their vocabulary. They begin writing in simple complete sentences, though the emphasis is still on listening and uses of basic phrases. Cooperative stories are still used, but | Art - Grades 1-5 <br> Throughout grades one through five, students meet with the art teacher twice per week. They create works of art in various media, using a variety of techniques, to learn the principles of design and the elements of art. Along the way, they increase their art vocabulary to be better able to efforts and about the role of art in society throughout history. Art projects connect to the classroom curriculum whenever natural | Science - Grades 1-5 <br> Students in grades $1-5$ meet three times weekly with the science teacher in the science lab to follow topical units of study, such as the atmosphere, cellular structure and function, elementary chemistry, states of matter, geology, properties of light, natural resources and conservation, life cycles They learn the scientific method through hands-on activities and experiments, as well as by reading and writing about science. <br>  | All students in grades 1-5 have several opportunities for after-school enrichment at TJ In addition to tutorials available every day from activities including book club, math club, studio art, Spanish club, coding, strings, recreational team sports, and choir. The Extended Day program provides after-school care for TJ children in grades Pre-K through 5 from 3-6 p.m. Monday through Friday. |
|  | Students will develop skills and habits with which to read independently with mproved comprehension. Both writing and spelling exercises stem from reading experiences. They will focus on vocabulary development and spelling skilis, as wel as appropriate grammar in writing and speech. The teacher will introduce cursive handwriting. | The student will develop skills in problem- solving and logical reasoning. The student will add and subtract two- and thre--digit numbers with regrouping, and will develop an understanding of number patterा comparing and ordering numbers, interpeting tables and graphs, and using multiplication and division concepts. The muttipicication and division concepts. The student will understand the concepts of time, measurement, money, simple fractions, $\begin{aligned} & \text { geometry, sequencing, probability, special } \\ & \text { sense, and patterns. }\end{aligned}$ | Students meet with the science teacher in the science lab and engage in an entirely hands-on curriculum. Students learn scientific concepts and the scientific method through controlled experiments as well as reading and writing about science. Topics Butterfly, Balancing and Weighing, Soil, Air, Changes, and Mystery Festival. | Students will engage in research and make presentations concerning comparisons of communities past and present, rural and urban. They will understand wants and needs, goods and services, government, rules and laws, local and national history, and natural resources and conservation They will identify the continents, the oceans, the United States, and the state in which he or she lives. | students have an opportunity to begin reading in the target language as well as responding <br> Spanish - Grades 3-5 he students begin the study of the details that make up the language. The students learn to write in the target between English and Spanish spelling and pronunciation. A written study of familiar vocabulary moves it to active language. Activities include mimicry, aur comprehension, and reading and writing | opportunities arise. The study of great works <br> in art history proceeds thematically-that sculptures. <br> General Music - Grades 1-4 <br> Students in the Lower School study music of many styles, composers, and performers from all eras. Through an emphasis on singing, playing instruments, movement, listening, Improvisation and composition, students learn basic theory, notation, musical form and style. All students will experience playing percussion instruments, Orff instruments and recorders. The | Technology - Grades 1-5 <br> -ower school students meet in the computer lab eek during the school year. Students gain their personal network user names and passwords, and using the features of the PC. Students participate in structured class assignments where they plan, design, and implement curriculum related projects. Technology instruction reinforces and enhances mathematics, language arts, social studies, and science curriculum. In the self-contained classroom, students also have access to a laptop cart, from which they can supplement their compute classroom. Specific topics include computer literacy, |  |
| GRADE | The course of study emphasizes vocabulary and comprehension. Ene teacher reads aloud to encourage enioyment of diverse forms of literature, and students reads independently and presents reports throughout the year. The program emphasizes spelling, grammar, expository writing, and handwriting. The teacher Writing, and handwriting. The teacher pays special attention to developing correct paragraph structure. | Students will develop basic computational skills in addition, subbraction, They will also focus on fractions, wecimals, geometry, money, time, graphs, charts, and estimation. تhe protram str solving throughout the year. | Students meet with the science teacher in the science lab and engage in an entirely hands-on curiculum Students learn scientific concepts and the scientific method through controlled experiments as well as reading and writing about science. Topics covered in mant, Rocks and Minerals, Chemical Develoment Tests, Sound, and Dinosaur Classification. | The focus of the program is the history, geography, government, and culture of Missouri The student will also study the geographic regions of the United States, learning differences in physical features, climate, population, farming, industry, naturar resources, and major cities in each region. The student will be able to locate all fifty states on a map. | in the target language. In addition, an mphasis on oral practice is encouraged through roleplays and specific times where only the target language is allo Grammatical concepts include formation of regular verbs in the present tense, plurals, negatives, and questions, as well as spelling and gender agreement. The students also study Spanish culture. | students learn significant works by songs, songs to accompany gam, popula songs that develop musical ability. The students perform three times a year at school concerts. <br> Instrumental Music - Grades 3-5 Students in $3^{\text {rd }}, 4^{\text {th }}$, and $5^{\text {th }}$ grade may participate in strings class if they play cello, viola, violin, or double bass. Students in $5^{\text {th }}$ grade begin playing a band instrument if | spreadsheets and charting, online research methods, and keyboarding. Multimedia aresentations are created and presented in the fourth and fith grades, involving collaborative efforts between the classroom and computer lab. The skills students master in the computer lab are easily and confidently transferred to computer use in the library, individual classrooms, <br> Thysical Education- Grades 1-5 The Physical Education program is based on the strong belief that a healthy, balanced, well |  |
|  | Students will develop an appreciation of literature and cultivate word-attack skills by reading chapter books in a variety of genres including fiction and nontiction. The program enhances vocabulary growth and spelling accuracy. Grammar, usage, and mechanics are integrated Usage, and mechanics are integrated throughout the Engish program. An problem-solving skills. | Students will develop reliable skills in multipicication and division, working with fractions and decimals and identifying geometric figures. Instruction incorporates the use of manipulatives to promote critical thinking and mathematical reasoning skills. The student will also develog skits skils. The student wiif also develop skilis analysis. | Students meet with the science teacher in the science lab and engage in an entirely scientific concents and the scientific method through controlled experiments as well as reading and writing about science. Topics coveres in $4^{\text {th }}$ grade are Animal Studies. Oceans, Human Body, and Electric Circuits. | Students will study land forms, climate, natural resources, and the industry of recions throughout the world through instructional media, field trips, hands-on activities, and research projects. The program highlights national holidays, U.S. history. Focus on map skills includes intermediate cardinal directions along with charts and graphs. |  | class. All students are required to take instrumental music in $5^{\text {th }}$ grade. No previous lessons are required for students entering take lessons outside of school. <br> Choir - Grades 3-5 <br> Students in $3^{\text {td }}, 4^{\text {th }}$, and $5^{\text {th }}$ grade may participate in choir if they are interested in vocal performance. No previous lessons are and they are not required to take lessons outside of school. | understanding, and excelling in and out of the classroom. Fundamental age-appropriate motor skills are progressively refined and combined into more specific sport skills. The student will be introduced to a variety of skills through individual and team sports. The curriculum stresses sport-speciicic activity in the later years. Through physical activity, the courses provide opportunity for challenge, enioyment, self-discovery, self-expression, and lifelong skills to enhance onés quality of life. |  |
| grade | The program includes the customary focus on reading, writing, spelling, grammar, and vocabulary skills. The student will practice editing, grammar, sentence structure, and paragraph construction. The student will also read and study diverse genres of literature, - readings and write about books with evidence from the text. | Students will expand on the previous year's knowledge of math. The program emphasizes accuracy and speed in basic computations involving numbers up to 12. The students also add, subtract, multiply, and divide large whole numbers, decimals, and fractions, as well as develop ability in problem solving, English and metric measurement, geometry, probability, and data analysis. | Students meet with the science teacher in the science lab and engage in an entirely hands-on curriculum. Students learn scientific concepts and the scientific method hrough controlled experiments as well as reading and writing about science. Ecosystems, Measuring Time, Forces and Motion, and Erosion. | The students examine the history of the American people from early times to the present day. The program also focuses on the geography of the United States mountains, rivers, forests, farms, cities, and natural resources in general. Major skills developed in the course of the yea include research, oral presentations, group projects, note-taking, and outlining. Throughout the year, students compose essay responses using original ideas questions. |  |  |  |  |

## THFMDDIFSMHOOL PROGRAM

Middll School confronts the formidable challenge of negotiating the transition from
chiddhood to adolescence. The course of study requires a high degree of intellectual




Science

## Science Students

Students explore topics in life science.


 periodic table of elements is istrotoduced, and
students lean such concepts $a$ s state and
 reactions, motion, and electricity. The earth's
composition, aathhuakes, volcanoes, and

 engage in many hands -on laboratorya
and w wite lab reports oro these a ativities

Life Science
Liti Sicine intoduces students stothe
fundamental concepts sommonto the study
 genentics, and the diverity of lining organisn
Life Science also addresses scology and

## environmental science.

 begin to synnthesize the elements of of cition
and poetty in ordert o crattititormed






| $\begin{array}{l}\text { This course begins to transition students } \\ \text { from viewing texts as individual creations }\end{array}$ |
| :--- | from vieving texts as individual creations

to viewing them as products of culture.



 reveieved as students review the essention
Of a argumentation and composition.

The first halfof ofthis course concentrates
heavily on the deductive proot focusing on

 and tangents, reases of plane figivers, and
arcas and volumes of solids. The course also areas and onturner devel
focuses
probem solving skills.

Social Studies/History


 period to the eresesent day throughthe lenn


 witing skils.

##  <br>  <br> of this course.

 World LanguagesIntroduction to Latin
This course introcuces the student to the





## Spanis

This course develops the following inguistic
domaic domans.s.speaking, reading, witing, listening
comprehension and ulture. Students will
learo
 thoughts reevant to thirir ives through
mastering the basic buididing blocks of

 | communicai |
| :---: |
| visual media |

## chr of they will ressand ned

he school fundamentally believes that students must acquire the requisite enow cuiccate forndational knowledge -in literary study, in the sturogam of desistoryy in

factoring equations, and testing hypotheses. TJ fields interscholastic teams in cross-
country, ,oolelyball, basketball, heeerleading soccer, tennis, and track at the middle-
school level

The physical educuation courseses in grades 6.8 place strong emphasis on developing

 allows the student tob build motor development. Students also part
Physical fithess $T$ Testa t the beginning and end of the shool year.

| Electives - Grades $6-8$ |
| :--- |
| Nidde |

 meant to provide a time for the studentst to study a topict that may not be part of their
core cours e of study, or a llow them to study a particular topic of interestin more edppth.
 History Day, STEM, Scuplture, Strategic Games, and Drama

Other Middle School Offerings



Art
Seventh grade students learn ceramics, using several



 periods of Medieval Att.
Middle School Instrumental Ensemble
Students
elect this class instead of Mid

 year, and also as smaller ensembles at various events.
.

 perform at Mirade and Upper Schoo concertst througho
vear, and also as as smallerensembles at various events.
Art ${ }_{\text {The sixh h grade students searn sill life drawing from direct }}$
 along with dififerent ways of tendering space using simimel
lines S. Studes lines. Studies in A.t listory cover an introduction tot the
esthetic and evolution of of art trom the primitive forms of the


 periorm at M1.dade and Upper Schoor concertst througho events, concerts, and local contests.

## masweax wawawa 

##  as the minimum requirement for rraduation; and a history sequence beginning with ancient history in the eight hrade,

Humanities course along with Economics and US Government and Poilits in ithe senior
teams in cross-country, volleyball, basketball, cheerleading, tennis, $50 c c e r$, golf,
swimming, and track and field. ear. The overali program incluades 20 AP offerinings. Interim Courses (January only)
nillude Music Appreciation, Art History, Statistics, the Bible as Literature,
Rpeech, $T J$ is a member of MSHSAA and the Ozark Seven Conference and fields high school

Through a dedication to academic excellence, Thomas Jefferson Independent Day School stands accountable for educating students to make the most of their abilities. The School educates students to acquire and refine essential academic knowledge and skills; cultivate an appreciation of the arts; develop lifelong fitness skills; assume responsibility for their behavior; seek out challenge, welcome criticism, test new capacities; practice self-discipline; and find joy in learning. The school brings students together with teachers who exemplify intellectual curiosity, a dedication to truth, and the advantages of living the examined life.

