

**Indiana
Elementary and Middle Level
Subjects and Descriptions**

2015-2016

Indiana Department of Education

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GENERAL INTRODUCTION

Subject descriptions provide brief statements of the content of elementary and middle level subjects. These descriptions are intended to assist schools in communicating, in a broad context, the content and Academic Standards of Indiana. Code numbers listed for each subject should be used when reporting courses on Indiana Department of Education documents.

Instructional decisions related to curriculum selection and development, implementation, and assessment are left to local school corporations. In fact, Indiana schools may explore, develop, and implement activities and programs that go beyond these descriptions as they strive to prepare their students for college and careers. Indiana State Board of Education rules and the school improvement plan required by Public Law 221 provide avenues for gaining approval of well-planned, nonstandard programs and courses. School corporations may apply for a non-standard course waiver if the course or program is not listed in this document.

We welcome your suggestions and comments. Please contact **Eric Ogle** at eogle@doe.in.gov should you have any recommendations or corrections that you would like to share.

Curriculum Requirements

Elementary Curriculum 511 IAC 6.1-5-2.6

Authority: IC 20-19-2-8; IC 20-31-4-17

Affected: IC 20-30-5-14; IC 20-31-3; IC 20-31-4-1

Sec 2.6.

(a) The Elementary curriculum:

- (1) utilizes the reading framework adopted by the state board of education in 2011, which does not include any later amendments or additions, and copies of which are available from the Department of Education, 200 W. Washington St., Indianapolis, IN 46204, or available at <http://www.doe.in.gov>;
- (2) includes:
 - (A) a balance of learning experiences in the areas in subsection (b);
 - (B) in grades 1 through 5, career awareness models to introduce students to work values and basic employment concepts as required by IC 20-30-5-14;
 - (C) in grade 6, initial career information models that focus on career choices as they relate to student interest and skills as required by IC 20-30-5-14; and
 - (D) exploratory activities;
- (3) consistent with the academic standards developed under IC 20-31-3 and the general principles in section 0.6 of this rule;
- (4) develops students; ability to apply subject matter skills to solve personal, school, and community problems;
- (5) prepares students to succeed in the Core 40 high school curriculum;
- (6) integrates appropriate technology as described in Indiana's Academic Standards;
- (7) includes practical experiences through which students:
 - (A) begin to recognize technological systems and processes;
 - (B) learn to use technology to solve problems related to home, school, community, and workplace:
and
 - (C) develop skills useful in performing individual and family responsibilities;
- (8) is provided in a culture that fosters collaboration of teachers and other school personnel across subject areas, through techniques such as teaming or professional learning communities;

- (9) is enriched through the integration of community service-learning activities that apply curriculum-based knowledge in experiential settings;
 - (10) integrates global educational experiences that provide for the study of other societies and world issues; and
 - (11) prepares students for success in middle school.
- (b) The elementary curriculum develops students' knowledge and skills based on the academic standards in the following:
- (1) English language arts.
 - (2) Mathematics.
 - (3) Social studies and citizenship.
 - (4) Science.
 - (5) Visual Arts and music.
 - (6) Health and wellness.
 - (7) Physical Education, adapted as necessary.
- (c) Through elective enrichment, the elementary curriculum develops students' knowledge and skills based on the academic standards in the following:
- (1) Theater and dance.
 - (2) World languages.
- (d) A school is not required to utilize the reading framework under subsection (a)(1) if:
- (1) the state board determines that the school falls within one (1) of the top two (2) performance categories under 511 IAC 6.2-6-5; and
 - (2) ninety percent (90%) of students pass the IREAD-3 assessment during the school year immediately preceding the utilization of the framework. This subdivision is not required for an exception under this subsection for the 2011-2012 school year.

Middle Level Curriculum 511 IAC 6.1-5-3.6

Authority: IC 20-19-2-8; IC 20-31-4-17

Affected: IC 20-30-5-14; IC 20-31-3; IC 20-31-4-1

Sec. 3.6

- (a) In grades 7 and 8, and grade 6 when it is included in the middle school, the middle level curriculum:
- (1) includes:
 - (A) a balance of learning experiences in the areas in subsection (b);
 - (B) initial career information models that focus on career choices as they relate to student interest and skills as required by IC 20-30-5-14; and
 - (C) exploratory activities;
 - (2) consistent with the academic standards developed under IC 20-31-3 and the general principles in section 0.6 of this rule;
 - (3) develops students; ability to apply subject matter skills to solve personal, school, and community problems; develops students; ability to apply subject matter skills to solve personal, school, and community problems;
 - (4) prepares students to succeed in the Core 40 high school curriculum;
 - (5) integrates appropriate technology as described in Indiana's Academic Standards;
 - (6) provides students with opportunities with a licensed teacher, counselor, or administrator that build knowledge and skills for academic, career, and citizenship development;
 - (7) is provided in a culture that fosters collaboration of teachers and other school personnel across subject areas, through techniques such as teaming or professional learning communities;
 - (8) is enriched through the integration of community service-learning activities that apply curriculum-based knowledge in experiential settings;

- (9) integrates global educational experiences that provide for the study of other societies and world issues; and
 - (10) prepares students for success in high school.
- (b) The middle level curriculum develops students' knowledge and skills based on the academic standards in the following:
- (1) English language arts.
 - (2) Mathematics.
 - (3) Social studies and citizenship.
 - (4) Science.
 - (5) Visual Arts and music.
 - (6) Career and technical education in a minimum of two (2) of the following curricular areas:
 - (A) Agriculture science and agribusiness.
 - (B) Business.
 - (C) Family and consumer sciences.
 - (D) Technology education.
 - (7) Health and wellness.
 - (8) Physical Education, adapted as necessary.
- (c) Through elective enrichment, the middle level curriculum develops students' knowledge and skills based on the academic standards in the following:
- (1) Theater and dance.
 - (2) World languages.

Please note these other important details:

- A laboratory course, identified by (L) in these course descriptions, is one in which a “minimum of twenty-five percent (25%) of the total instructional time is devoted to laboratory activities. Laboratory activities are those activities in which the pupil personally uses appropriate procedures and equipment in accomplishing that learning task.”
- Middle school (Grades 6-8) course descriptions in the areas of Agricultural Education, Business Education, Family and Consumer Sciences, Engineering and Technology Education, Fine Arts, and World Language are defined by grade clusters rather than by grade levels, such as, 6-8. Courses with grade specific course descriptions are to be taught in the specified grade. Courses which are defined by grade clusters can be taught in each grade or can be taught in one or more grades.
- The Indiana State Board of Education does not restrict high school credit to course work completed in Grades 9 through 12. Schools may elect to award high school credit to students who complete courses before entering Grade 9 if the course is equivalent to its high school counterpart. Local policies and procedures should be developed to govern credit for high school courses taught below grade nine. Multiple credits may not be awarded for the same course unless the course description permits multiple credits to be awarded.

AGRICULTURAL EDUCATION

EXPLORING AGRICULTURAL SCIENCE AND BUSINESS, MIDDLE LEVEL

Course 0496

(EXP AG ML)

The *Agricultural Science and Business* curriculum for middle level students follows the state standards of the Fundamentals of Agricultural Science and Business course. There is flexibility in content due to the length of the course offered locally. The primary objective is to introduce students to the dynamic industry of agriculture while gaining an awareness of the importance, impact and diversity of careers in agricultural science and business. The content provides a hands-on exploratory, science-based approach to agriscience as well as providing a broad-based coverage of horticulture, animal science, environmental science, biotechnology, agricultural economics, plant and soil science, and agricultural science and agribusiness tools and equipment.

BUSINESS EDUCATION

BUSINESS AND INFORMATION TECHNOLOGY, MIDDLE LEVEL

Course 0494

(BUS IT ML)

Business and Information Technology, Middle Level course(s) provides concepts and applications that facilitate the development of competencies required for success in all academic areas and in real-world contexts. The curriculum relates closely to understandings and competencies students will need as their world expands and as they develop career interests. The four broad areas included in this curriculum are technology, career exploration, personal financial responsibility, and basic business (business communications, marketing, and entrepreneurship). The domains and standards for each area provide many opportunities to engage students in learning essential business content and in applying technology as a tool. This approach is in keeping with the NETS (National Education Technology Standards) approach, which places heavy emphasis on integrating technology into the curriculum. This approach is in keeping with the NETS (National Educational Technology Standards) approach, which places heavy emphasis on integrating technology into the curriculum. The No Child Left Behind (NCLB) legislation mandates that students reach technological proficiency by the completion of the eighth grade.

DIGITAL CITIZENSHIP

0495

(DIGI CITI)

Digital Citizenship prepares students to use computer technology in an effective and appropriate manner. Students develop knowledge of word processing, spreadsheets, presentation and communications software. Students establish what it means to be a good digital citizen and how to use technology appropriately.

EXPLORING COLLEGE AND CAREERS, MIDDLE LEVEL

Course 0493

(EXPCAR ML)

Exploring College and Careers, Middle Level provides students opportunities to explore their personal goals, interests, and aptitudes as they relate to career concepts, including the 16 national career clusters and Indiana's College & Career Pathways, and determine what they want and expect for their future. Students learn about various traditional and nontraditional careers and gain an awareness of the level of education and type of training needed for a variety of careers and occupations. Students build good study habits, expand their

technology skills, develop or update their Graduation Plans and complete a college and career readiness exam. Virtual and real life opportunities are provided for students to observe and explore various careers.

ENGINEERING AND TECHNOLOGY

ENGINEERING AND TECHNOLOGY, MIDDLE LEVEL

Course 0490

(TECH ML)

Engineering and Technology Education at the middle level provides students with hands-on, problem based learning opportunities that introduce the principles to develop, produce, use, and assess products related to engineering and technology. Students additionally develop individual and teamwork skills to participate in society and the workplace). *The curriculum is designed for a minimum of 36 weeks of instruction, which may be divided into 9, 12, 18, or 36 week segments to accommodate local school scheduling.* Activities are focused on content related to engineering and technology as a body of knowledge, using resources and actions to: (1) apply engineering design (2) use processes to produce artifacts and systems, (3) use devices, tools and systems safely and appropriately (4) assess impacts on society and the environment.

ENGLISH/LANGUAGE ARTS

LANGUAGE ARTS, KINDERGARTEN

Subject/Course 0420

Level KG

(LANG KG)

Language Arts, Kindergarten, a course based on *Indiana Common Core State Standards for English/Language Arts*, is integrated instruction emphasizing writing, speaking and listening in interest- and age-appropriate content. Students experience using language to interact with others. Using art, music, movement, drama, oral language, beginning reading, and beginning writing, students respond to classic and contemporary literature. They discuss ideas and tell stories for someone to write down, and they begin to write for other readers. They begin to learn the rules of Standard English and more about communicating with others. Students listen to stories read aloud to them and draw or write independently for meaning.

LANGUAGE ARTS, GRADE 1

Subject/Course 0420

Level 01

(LANG 01)

Language Arts, Grade 1, a course based on *Indiana Common Core State Standards for English/Language Arts*, is integrated instruction emphasizing writing, speaking and listening in interest- and age-appropriate content. Students become more independent language users and writers. Using oral language, reading, writing, art, music, movement, and drama, students respond to classic and contemporary literature. They begin to make simple oral, multimedia presentations. They begin to write compositions and other original works. They begin to use Standard English in their oral and written communication. They recite poems, rhymes, and songs, and they tell their own stories. Students listen to stories read aloud to them and write independently for meaning.

LANGUAGE ARTS, GRADE 2

Subject/Course 0420

Level 02

(LANG 02)

Language Arts, Grade 2, a course based on *Indiana Common Core State Standards for English/Language Arts*, is integrated instruction emphasizing writing, speaking and listening in interest- and age-appropriate content. Students gain more skills in language use and writing. Using discussion, art, music, movement, and drama,

students respond to classic and contemporary literature. They deliver brief oral, multimedia presentations. They learn to use the conventions of Standard English and a writing process to write clear sentences and paragraphs that develop a central idea. They tell stories and perform plays. Students listen to stories read aloud to them and write independently for meaning.

LANGUAGE ARTS, GRADE 3

Subject/Course 0420 Level 03 (LANG 03)

Language Arts, Grade 3, a course based on *Indiana Common Core State Standards for English/Language Arts*, is integrated instruction emphasizing writing, speaking and listening in interest- and age-appropriate content. Students apply language skills and strategies they learned in earlier grades. Using discussion, reading, writing, art, music, movement, and drama, students respond to classic and contemporary literature. They deliver brief oral, multimedia presentations, and they participate in classroom or group language arts experiences. They use a writing process for doing their compositions, and they write clear sentences and paragraphs that demonstrate an awareness of audience and purpose. They tell stories and perform plays. Students listen to stories read aloud to them and write independently for meaning.

LANGUAGE ARTS, GRADE 4

Subject/Course 0420 Level 04 (LANG 04)

Language Arts, Grade 4, a course based on *Indiana Common Core State Standards for English/Language Arts*, is integrated instruction emphasizing writing, speaking and listening in interest- and age-appropriate content. Students continue to build their vocabularies for reading and writing. Using discussion, reading, writing, art, music, movement, and drama, students respond to classic and contemporary literature. They deliver oral summaries of articles and books that they have read. They use a writing process for doing their compositions. They write multiple-paragraph narrative, descriptive, and persuasive compositions that begin to use quotations or dialogue to capture their readers' attention. They use the conventions of Standard English in their written communications. Students listen to stories read aloud to them and write independently for meaning.

LANGUAGE ARTS, GRADE 5

Subject/Course 0420 Level 05 (LANG 05)

Language Arts, Grade 5, a course based on *Indiana Common Core State Standards for English/Language Arts*, is integrated instruction emphasizing writing, speaking and listening in interest- and age-appropriate content. Students increase their vocabularies, including those that convey ideas and images, for reading and writing. Using discussion, reading, writing, art, music, movement, and drama, students respond to classic and contemporary literature. They deliver oral responses to literature that demonstrate an understanding of ideas or images communicated by what they have read. They use a writing process for doing their compositions. They write multiple-paragraph compositions for different purposes and a specific audience or person, revising their writing as appropriate. They use transitions to connect ideas when they write, and they use the conventions of Standard English in their written communications. Students listen to stories read aloud to them and write independently for meaning.

READING AND LITERATURE, KINDERGARTEN

Subject/Course 0480 Level KG (READ KG)

Reading and Literature, Kindergarten, a course based on *Indiana Common Core State Standards for English/Language Arts*, is integrated instruction emphasizing reading (Reading Standards: Foundational Skills, Reading Standards for Informational Text: Literary Nonfiction and Historical, Scientific, and Technical Texts and Reading Standards for Literature: Stories, Novels, Dramas and Poetry), in interest- and age-appropriate content. Students develop

reading competencies as they receive instruction founded on scientifically-based reading research with a focus on phonemic awareness and phonics and developmentally appropriate strategies for fluency, vocabulary and comprehension. Students show an interest in books and experience the enjoyment of reading through stories read aloud. They retell familiar stories and talk about stories that someone read to them. They learn about the alphabet, words and sounds, and how to apply what they have learned by matching words to beginning and ending sounds, blending sounds into words, rhyming words, and reading simple sentences. They listen and respond to picture books and general fiction, nursery rhymes or songs, folktales, plays, alphabet books, nonfiction picture books (science, social studies, mathematics and other subjects), beginner's dictionaries, and online information.

READING AND LITERATURE, GRADE 1

Subject/Course 0480 *Level 01* *(READ 01)*

Reading and Literature, Grade 1, a course based on *Indiana Common Core State Standards for English/Language Arts*, is integrated instruction emphasizing reading (Indiana's Academic Standards 1, 2, and 3 and Common Core Reading Standards: Foundational Skills, Reading Standards for Informational Text: Literary Nonfiction and Historical, Scientific, and Technical Texts and Reading Standards for Literature: Stories, Novels, Dramas and Poetry), in interest- and age-appropriate content. Students develop reading competencies as they receive instruction founded on scientifically-based reading research with a focus on phonemic awareness and phonics, fluency, vocabulary and comprehension. Students become more independent readers. They recognize letter sounds (phonemic awareness), see letter patterns, and identify the basic features of words and how to translate them into spoken language by using phonics. They sound out more complex vocabulary and comprehend the meanings of those words. They begin to read fluently, orally and silently. They read or listen to and then respond to classic and contemporary picture books or general fiction, folktales, poetry or songs, plays, nonfiction books (science, social studies, mathematics, and other subjects), children's magazines or periodicals, beginner's dictionaries, and online information. They discuss what they have read, talking about main ideas, characters, plot, and setting. Students listen to books read aloud to them and show an interest in or read books independently for enjoyment.

READING AND LITERATURE, GRADE 2

Subject/Course 0480 *Level 02* *(READ 02)*

Reading and Literature, Grade 2, a course based on *Indiana Common Core State Standards for English/Language Arts*, is integrated instruction emphasizing reading (Indiana's Academic Standards 1, 2, and 3 and Common Core Reading Standards: Foundational Skills, Reading Standards for Informational Text: Literary Nonfiction and Historical, Scientific, and Technical Texts and Reading Standards for Literature: Stories, Novels, Dramas and Poetry), in interest- and age-appropriate content. Students develop reading competencies as they receive instruction founded on scientifically-based reading research with a focus on phonemic awareness, phonics, fluency, vocabulary and comprehension. Students gain more skills in reading. They apply knowledge of sounds that are made by different letters, and they utilize decoding strategies while they learn new concepts, such as prefixes and suffixes, that help them understand the meaning of new vocabulary. They read fluently. They identify and discuss main ideas, characters, plot, setting, and theme. They ask and respond to questions, make predictions and compare information in order to comprehend what they read. They read or listen to and then respond to classic and contemporary fiction, poetry or songs, folktales, plays, nonfiction books (science, social studies, mathematics, and other subjects), children's magazines or periodicals, reference (dictionary, thesaurus, atlas) or technical materials, and online information. Students read books independently for enjoyment.

READING AND LITERATURE, GRADE 3

Subject/Course 0480 *Level 03* *(READ 03)*

Reading and Literature, Grade 3, a course based on *Indiana Common Core State Standards for English/Language Arts*, is integrated instruction emphasizing reading (Indiana’s Academic Standards 1, 2, and 3 and Common Core Reading Standards: Foundational Skills, Reading Standards for Informational Text: Literary Nonfiction and Historical, Scientific, and Technical Texts and Reading Standards for Literature: Stories, Novels, Dramas and Poetry), in interest- and age-appropriate content. Students develop reading competencies as they receive instruction founded on scientifically-based reading research with a focus on phonics, fluency, vocabulary and comprehension. Students move from decoding words to learning more about what words mean. They learn longer and more difficult words that express abstract ideas. They also start thinking more about what they read. They identify and discuss main ideas, characters, plot, setting, theme and problem solution. They begin to recognize the structural features used in textbooks. They read fluently with expression and without stopping to figure out what each words means. They read or listen to and then respond to fiction selections, such as classic and contemporary literature, historical fiction, fantasy or science fiction, folklore or mythology, poetry or songs, and plays, and nonfiction selections, such as subject-area books, biographies, children’s magazines or periodicals, various reference (dictionary, thesaurus, atlas, encyclopedia) and technical materials, and online information. Students self-select books and read independently for enjoyment.

READING AND LITERATURE, GRADE 4

Subject/Course 0480 *Level 04* (*READ 04*)

Reading and Literature, Grade 4, a course based on *Indiana Common Core State Standards for English/Language Arts*, is integrated instruction emphasizing reading (Indiana’s Academic Standards 1, 2, and 3 and Common Core Reading Standards: Foundational Skills, Reading Standards for Informational Text: Literary Nonfiction and Historical, Scientific, and Technical Texts and Reading Standards for Literature: Stories, Novels, Dramas and Poetry), in interest- and age-appropriate content. Students develop reading competencies as they receive instruction founded on scientifically-based reading research with a focus on fluency, vocabulary and comprehension. Students continue to build their vocabularies, adding prefixes and suffixes to create new words. They learn variations on word meanings (synonyms, antonyms, idioms, and words with more than one meaning). They continue to build their reading comprehension strategies. They recognize key features of textbooks and begin to use a thesaurus to find related words and ideas. They read or listen to and then respond to fiction selections, such as classic and contemporary literature, historical fiction, fantasy or science fiction, folklore or mythology, poetry, and plays, and nonfiction selections, such as subject-area books, biographies, children’s magazines or periodicals, various reference and technical materials, and online information. Students self-select books and read independently for enjoyment.

READING AND LITERATURE, GRADE 5

Subject/Course 0480 *Level 05* (*READ 05*)

Reading and Literature, Grade 5, a course based on *Indiana Common Core State Standards for English/Language Arts*, is integrated instruction emphasizing reading (Indiana’s Academic Standards 1, 2, and 3 and Common Core Reading Standards: Foundational Skills, Reading Standards for Informational Text: Literary Nonfiction and Historical, Scientific, and Technical Texts and Reading Standards for Literature: Stories, Novels, Dramas and Poetry), in interest- and age-appropriate content. Students develop reading competencies as they receive instruction founded on scientifically-based reading research with a focus on fluency, vocabulary and comprehension. Students increase their vocabulary and their ability to understand and explain words, including those that convey ideas and images. They use word origins to determine the meaning of unknown words or phrases. They increase their use of complex reading comprehension strategies. They begin to do literary criticism by evaluating what they read and locating evidence to support what they say. They read and respond to fiction selections, such as classic and contemporary literature, historical fiction, fantasy or science fiction, folklore or mythology, poetry, and plays, and nonfiction selections, such as subject-area books, biographies or

autobiographies, children’s magazines or periodicals, various reference and technical materials, and online information. Students self-select books and read independently for enjoyment.

LANGUAGE ARTS, GRADE 6

Course 0420-06

(LANG 06)

Language Arts, Grade 6, a course based on *Indiana’s Academic Standards for English/Language Arts* and the integration of the *Indiana Common Core Standards*, is integrated instruction emphasizing reading, writing, speaking and listening in interest- and age-appropriate content. Students apply skills they learned in earlier grades to make sense of longer, more challenging text. They interpret figurative language and words with multiple meanings. They examine an author’s choice of words and reasonableness of statements in nonfiction works. They critique the believability of characters and plots in fiction works. They begin to read autobiographies. They read and respond to fiction selections, such as classic and contemporary literature, historical fiction, fantasy or science fiction, mystery or adventure, folklore or mythology, poetry, short stories, and dramas, and nonfiction selections, such as subject area books, biographies, magazines and newspapers, various reference or technical materials, and online information. Students self-select books of interest and read independently for enjoyment. Students apply language skills and strategies they learned in earlier grades. Using oral discussion, reading, writing, art, music, movement, and drama, students respond to fiction, nonfiction, and informational selections or reality-based experiences, multimedia presentations, and classroom or group experiences. They apply their research skills by writing or delivering reports that demonstrate the distinction between their own ideas and the ideas of others. They use simple, compound, and complex sentences to express their thoughts. They deliver oral presentations on problems and solutions and show evidence to support their views. Students also listen to literature read aloud to them and write independently for enjoyment.

LANGUAGE ARTS, GRADE 7

Course 0420-07

(LANG 07)

Language Arts, Grade 7, a course based on *Indiana’s Academic Standards for English/Language Art* and the integration of the *Indiana Common Core Standards* is integrated instruction emphasizing reading, writing, speaking and listening in interest- and age-appropriate content. Students develop advanced skills and strategies in reading. They understand comparisons, such as analogies and metaphors, and they begin to use their knowledge of roots and word parts to understand science, social studies, and mathematics vocabulary. They begin to read reviews, as well as critiques of both informational and literary writing. They read and respond to fiction selections, such as classic and contemporary literature, historical fiction, fantasy or science fiction, mystery or adventure, folklore or mythology, poetry, short stories, and dramas, and nonfiction selections, such as subject area books, biographies or autobiographies, magazines and newspapers, various reference or technical materials, and online information. Students self-select books of interest and read independently for enjoyment. Students develop advanced skills and strategies in language. Using oral discussion, reading, writing, art, music, movement, and drama, students respond to fiction, nonfiction, and informational selections or reality-based experiences, multimedia presentations, and classroom or group experiences. They write or deliver longer research reports that take a position on a topic, and they support their positions by citing a variety of sources. They use a variety of sentence structures and modifiers to express their thoughts. They deliver persuasive presentations that state a clear position in support of an arguments or proposal. Students also listen to literature read aloud to them and write independently for enjoyment.

LANGUAGE ARTS, GRADE 8

Course 0420-08

(LANG 08)

Language Arts, Grade 8, a course based on *Indiana's Academic Standards for English/Language Arts* and the integration of the *Indiana Common Core Standards* is integrated instruction emphasizing reading, writing, speaking and listening in interest- and age-appropriate content. Students begin to study the history and development of English vocabulary. They begin to compare different types of writing as well as different perspectives on similar topics or themes. They evaluate the logic of informational texts and analyze how literature reflects the backgrounds, attitudes, and beliefs of the authors. They read and respond to fiction selections, such as classic and contemporary literature, historical fiction, fantasy or science fiction, mystery or adventure, folklore or mythology, poetry, short stories, and dramas, and nonfiction selections, such as subject area books, biographies or autobiographies, magazines and newspapers, various reference or technical materials, and online information. Students self-select books of interest and read independently for enjoyment.

Students get ready for the language challenges of high school materials. Using oral discussion, reading, writing, art, music, movement, and drama, students respond to fiction, nonfiction, and informational selections or reality-based experiences, multimedia presentations, and classroom or group experiences. They not only write or deliver research reports but also conduct their own research. They use subordination, coordination, noun phrases and other devices of English language conventions to indicate clearly the relationship between ideas. They deliver a variety of types of presentations and effectively respond to questions and concerns from the audience. Students also listen to literature read aloud to them and write independently for enjoyment.

LANGUAGE ARTS LAB

0428

(LANG LAB)

Language Arts Lab is a supplemental course that provides students with individualized or small group instruction designed to support success in completing language arts course work aligned with *Indiana's Academic Standards for English/Language Arts* in Grades 6-8 and the *Common Core State Standards for English Language Arts*.

- *Recommended Grade Level: Grades 6-8*
- *This course is for students who need additional support in all the language arts (reading, writing, speaking and listening).*
- *NOTE: The course may also be used for students who need Tier 2 and 3 interventions in English Language Arts.*

READING AND LITERATURE, GRADE 6

Course 0480- 06

(READ 06)

Reading and Literature, Grade 6, a course based on *Indiana's Academic Standards for English/Language Arts* and the integration of the *Indiana Common Core Standards*, is integrated instruction emphasizing reading (Standards 1, 2, and 3), in content that is interest- and age-appropriate. Students apply skills they learned in earlier grades to make sense of longer, more challenging text. They interpret figurative language and words with multiple meanings. They examine an author's choice of words and reasonableness of statements in nonfiction works. They critique the believability of characters and plots in fiction works. They begin to read autobiographies. They read and respond to fiction selections, such as classic and contemporary literature, historical fiction, fantasy or science fiction, mystery or adventure, folklore or mythology, poetry, short stories, and dramas, and nonfiction selections, such as subject area books, biographies, magazines and newspapers, various reference or technical materials, and online information. Students self-select books of interest and read independently for enjoyment.

READING AND LITERATURE, GRADE 7

Course 0480- 07

(READ 07)

Reading and Literature, Grade 7, a course based on *Indiana's Academic Standards for English/Language Arts* and the integration of the *Indiana Common Core Standards*, is integrated instruction emphasizing reading (Standards 1, 2, and 3), in content that is interest- and age-appropriate. Students develop advanced skills and strategies in

reading. They understand comparisons, such as analogies and metaphors, and they begin to use their knowledge of roots and word parts to understand science, social studies, and mathematics vocabulary. They begin to read reviews, as well as critiques of both informational and literary writing. They read and respond to fiction selections, such as classic and contemporary literature, historical fiction, fantasy or science fiction, mystery or adventure, folklore or mythology, poetry, short stories, and dramas, and nonfiction selections, such as subject area books, biographies or autobiographies, magazines and newspapers, various reference or technical materials, and online information. Students self-select books of interest and read independently for enjoyment.

READING AND LITERATURE, GRADE 8

Course 0480- 08

(READ 08)

Reading and Literature, Grade 8, a course based on *Indiana's Academic Standards for English/Language Arts* and the integration of the *Indiana Common Core Standards*, is integrated instruction emphasizing reading (*Standards 1, 2, and 3*), in content that is interest- and age-appropriate. Students begin to study the history and development of English vocabulary. They begin to compare different types of writing as well as different perspectives on similar topics or themes. They evaluate the logic of informational texts and analyze how literature reflects the backgrounds, attitudes, and beliefs of the authors. They read and respond to fiction selections, such as classic and contemporary literature, historical fiction, fantasy or science fiction, mystery or adventure, folklore or mythology, poetry, short stories, and dramas, and nonfiction selections, such as subject area books, biographies or autobiographies, magazines and newspapers, various reference or technical materials, and online information. Students self-select books of interest and read independently for enjoyment.

English as a New Language, Middle Level

Subject 0491

English as a New Language, Middle Level an integrated English course based on Indiana's English Language Proficiency (ELP) Standards, is the study of language, literature, composition and oral communication for Limited English Proficient (LEP) students so that they improve their proficiency in listening, speaking, reading, writing and comprehension of standard English. Students study English vocabulary used in fictional and content-area texts, speak and write English so that they can function within the regular school setting and an English speaking society, and deliver oral presentations appropriate to their respective levels of English proficiency.

FAMILY AND CONSUMER SCIENCES

EXPLORING COLLEGE AND CAREERS, MIDDLE LEVEL

Course 0493

(EXPCAR ML)

Exploring College and Careers, Middle Level provides students opportunities to explore their personal goals, interests, and aptitudes as they relate to career concepts, including *the 16 national career clusters and Indiana's College & Career Pathways*, and determine what they want and expect for their future. Students learn about various traditional and nontraditional careers and gain an awareness of the level of education and type of training needed for a variety of careers and occupations. Students build good study habits, expand their technology skills, develop or update their Graduation Plans and complete a college and career readiness exam. Virtual and real life opportunities are provided for students to observe and explore various careers.

FAMILY AND CONSUMER SCIENCES, MIDDLE LEVEL

Course 0492

(FACS ML)

Family and Consumer Sciences (FACS) at the middle school level, prepares students to begin their journey toward becoming independent, productive citizens. The Middle School Curriculum includes standards for 5 units of study that are essential for ALL students: Life and Careers, Financial Literacy, Nutrition and Wellness, Human Development, and Relationships. Family and Consumer Sciences (FACS) at the middle level prepares students to acquire personal skills and plan ways to transfer those skills to the workplace; investigate and assume appropriate individual and family roles; understand and apply concepts of balancing work and family; and acquire skills and attitudes that lead them to contribute to the good of the community and society. FACS curriculum includes acquisition of problem-solving, decision-making, higher order thinking, communication, literacy, and numerical skills in applied community, work, and family contexts.

FINE ARTS

Elementary Subjects

VISUAL ART

Subject/Course 0410 *Levels K-3*

(ART K-3)

Visual Art for Kindergarten through Grade 3 is based on the Indiana Academic Standards for Visual Art. Students first encounter visual art at the kindergarten level as an integral part of a variety of creative and developmentally appropriate experiences in music, dramatics, movement, arts, and crafts. As they progress through grades one through three, students receive sequential learning experiences in the early childhood art education program that encompass art history, art criticism, aesthetics, and production.

Through self-reflection, which includes dialogue, reading, and writing, students analyze each component of their arts education as well as their own personal growth. Throughout the program, students engage in various forms of communication, utilizing a rich art vocabulary and a variety of technological resources. As part of this process, students make connections between art and other disciplines, and they explore the various roles the arts play in their communities.

VISUAL ART

Subject/Course 0410 *Levels 4-6*

(ART 4-6)

Visual Art in Grades 4 through 6 is based on the Indiana Standards for Visual Art. Students in the elementary art education program build on the sequential learning experiences of the early childhood program that encompass art history, criticism, aesthetics, and production. Through self-reflection, which includes dialogue, reading, and writing, students analyze each component of their arts education as well as their own personal growth.

Throughout the program, students engage in various forms of communication, utilizing a rich vocabulary and a variety of technological resources. Students make connections between art and other disciplines. They also utilize art community resources, explore career opportunities in art, and identify opportunities for involvement in the arts community.

CREATIVE DRAMATICS

Subject/Course 0412 *Levels K-3*

(DRAMA K-3)

Creative Dramatics for Kindergarten through Grade 3 is based on the Indiana Academic Standards for Theatre. Instruction in Creative Dramatics can be integrated across the curriculum, particularly within the language arts curriculum, to provide students with opportunities to express themselves and expand their imaginations through dramatic play and storytelling. Students become aware of the uses of movement, language, behavior patterns, and voice control to express emotion and characterization. They also learn to improvise dialogue and to formalize the improvisations by recording or writing them. Activities and experiences provide opportunities for students to interact with others in dramatic activities. Students experience historical and cultural aspects of

theatre by viewing and discussing the work of performing artists and theatrical presentations, also identifying opportunities to experience live theatre in their own communities.

CREATIVE DRAMATICS

Subject/Course 0412 *Levels 4-6* *(DRAMA 4-6)*

Creative Dramatics for Grades four through six is based on the Indiana Academic Standards for Theatre. Instruction in Creative Dramatics can be integrated across the curriculum, particularly within the language arts curriculum, to provide students with opportunities to express themselves and expand their imaginations through dramatic play and storytelling. Students become aware of the uses of movement, language, behavior patterns, and voice control to express emotion and characterization. They also learn to improvise dialogue and to formalize the improvisations by recording or writing them. Activities and experiences provide opportunities for students to interact with others in dramatic activities. Students experience historical and cultural aspects of theatre by viewing and discussing the work of performing artists and theatrical presentations, also identifying opportunities to experience live theatre in their own communities.

DANCE

Subject/Course 0414 *Levels K-3* *(DANCE K-3)*

Dance for Kindergarten through Grade 3 is based on the Indiana Academic Standards for Dance, and instruction can be integrated across the curriculum. Dance education in the early grades begins with awareness of bodily movement and its potential for creative and expressive activities. Students learn basic movement within musical contexts and begin to think of ways of creating and performing dance movements. Students also begin thinking critically about dance by learning attentive audience behavior for their peers, as well as describing movement elements and expressive movement choices. Dance and creative movement activities are used to enhance students' physical and verbal communication skills. This course also introduces students to dance movements of their own and to various cultures through the use of folk dances.

DANCE

Subject/Course 0414 *Levels 4-6* *(DANCE 4-6)*

Dance for Grades 4 through 6 is based on the Indiana Academic Standards for Dance, and integrated instruction across the curriculum is strongly encouraged. Students in the upper elementary grades continue to develop their skills in dance movement and begin to acquire knowledge that enhances development of self-image and social interactions. Collaborative dance projects are increasingly emphasized as well as the physical and healthful aspects of this form of exercise.

EXPLORING MUSIC

Subject/Course 0440 *Levels K-3* *(MUS K-3)*

Exploring Music in Kindergarten through Grade 3 is based on the Indiana Academic Standards for Music. Students are provided a balanced, comprehensive music curriculum that is developmentally appropriate in the psychomotor, cognitive, and affective domains. Instruction is designed to enable students to perform and create music, respond to music, and integrate music study into other subject areas. Activities and experiences in music are designed to develop students' appreciation of music as an art form, to build the foundation for music literacy, and to understand music as it relates to history, culture, and the community.

EXPLORING MUSIC

Subject/Course 0440 *Levels 4-6* *(MUS 4-6)*

Exploring Music in Grades 4 through 6 is based on the Indiana Academic Standards for Music. Students are provided a balanced, comprehensive music curriculum that is developmentally appropriate in the psychomotor, cognitive, and affective domains. Instruction is designed to enable students to perform and create music, respond to music, and integrate music study into other subject areas. Activities and experiences in music are designed to develop students' appreciation of music as an art form, to build the foundation for music literacy, and to understand music as it relates to history, culture, and the community.

INSTRUMENTAL MUSIC

Subject/Course 0442 *Levels 4-6* *(I MUS 4-6)*

Instrumental Music for Grades 4-6 is based on the Indiana Academic Standards for Music and provides students with the opportunity to apply knowledge learned in the Kindergarten through Grade 6 Exploring Music curriculum by learning to play an instrument. The instrumental classes provide beginning instruction in any of the following areas: strings, woodwinds, brass, percussion, guitar, recorder, and keyboard instruments, including electronic instruments. Ensemble and solo activities are designed for students to develop elements of musicianship including tone production, technical skills, intonation, and music reading skills. Experiences include improvising and playing by ear. Students also participate in performance opportunities outside of the school day that support and extend the learning in the classroom.

VOCAL MUSIC

Subject/Course 0444 *Levels 4-6* *(V MUS 4-6)*

Vocal Music in Grades 4 through 6 is based on the Indiana Academic Standards for Music and provides students with the opportunity to apply knowledge learned in the Kindergarten through Grade 6 Exploring Music curriculum by participating in choral ensemble classes. Ensemble classes provide group and solo activities and are designed to develop students' musicianship including vocal production, intonation, and music reading skills. Activities and experiences include listening to, analyzing, and evaluating music, as well as performing a wide variety of vocal literature, of many styles, from selected historical periods and cultures. Experiences in improvisation and sight-singing are also included in this course of study. Students are given opportunities to participate in performances outside of the school day that support and extend learning in the classroom.

Middle Level Subjects

VISUAL ART, MIDDLE LEVEL

Course 0410 *Levels 6-8* *(ART ML)*

Visual Art, Middle Level is based on the Indiana Standards for Visual Art. Students in the middle level program build on the sequential learning experiences of the elementary program that encompass art history, criticism, aesthetics, and production. Through self-reflection, including dialogue, reading, and writing students analyze each component of their arts education as well as their own personal growth. Throughout the program, students engage in various forms of communication, utilizing a rich vocabulary and a variety of technological resources. Students continue to utilize their art knowledge and skills to make connections across the curriculum, study career options and identify skills required for each career, and use arts community resources, identifying ways to utilize and support the arts community.

CREATIVE DRAMATICS, MIDDLE LEVEL

Course 0412 *Levels 6-8* *(DRAMA ML)*

Creative Dramatics, Middle Level is based on the Indiana Academic Standards for Theatre. This course enables students to use movement, voice, and language effectively to create characterizations in a wide variety of historical and cultural contexts. Improvisation enables them to demonstrate an understanding of the concepts

of space, time, and mannerisms in character portrayals. Additionally, students write scripts based on personal experience, imagination, history, and literature. Students increase their awareness of vocational opportunities in the theatre arts and learn to develop criteria for the evaluation of recorded and live performances.

DANCE, MIDDLE LEVEL

Course 0414 Levels 6-8

(DANCE ML)

Dance, Middle Level is based on the Indiana Academic Standards for Dance, and integrated instruction across the curriculum is encouraged. Students at the middle school level create dances that display increased choreographic skill, using the principles of alignment, balance, dance steps, and rhythmic patterns. Their knowledge and skills in physical fitness, rhythmic activities, and muscular development are enhanced as they continue to refine their movement techniques. Students at this level also use dance as a means of creating and communicating ideas of personal significance to them. Critical thinking skills are fostered as they establish criteria for evaluating their dance performances, as well as the performances of others. They learn and perform folk, social, or theatrical dances from modern America as well as various cultures.

EXPLORING MUSIC, MIDDLE LEVEL

Course 0440 Levels 6-8

(MUS ML)

Exploring Music, Middle Level is based on the Indiana Academic Standards for Exploring Music. Students taking this course are provided with activities that build on Kindergarten through Grade 6 musical knowledge and skills. Instruction is designed to enable students to perform and create music, respond to music, and integrate music study into other subject areas. Activities and experiences in music are designed to develop students' appreciation of music as an art form, to build the foundation for music literacy, and to understand music as it relates to history, culture, and the community.

INSTRUMENTAL MUSIC, MIDDLE LEVEL

Course 0442 Levels 6-8

(I MUS ML)

Instrumental Music, Middle Level is based on the Indiana Academic Standards for Instrumental Music and provides students the opportunity to apply knowledge and skills learned in the elementary music curriculum by beginning or continuing to play an instrument. The instrumental classes provide instruction in any of the following areas: strings, woodwinds, brass, percussion, guitar, and keyboard instruments, including electronic instruments. Ensemble and solo activities are designed for students to develop basic elements of musicianship including tone production, technical skills, and intonation. Activities include improvising; composing; reading, notating, and sight-reading music; listening; analyzing; evaluating; and experiencing historically significant styles of literature. Students are given opportunities to participate in performances outside of the school day that support and extend the learning in the classroom.

VOCAL MUSIC, MIDDLE LEVEL

Course 0444 Levels 6-8

(V MUS ML)

Vocal Music, Middle Level is based on the Indiana Academic Standards for Choral Music and provides students the opportunity to apply knowledge and skills learned in the elementary music curriculum by participating in choral ensemble classes. Ensemble classes provide group and solo activities and are designed to develop students' musicianship including vocal production, technical skills, and intonation. Activities and experiences include improvising and composing music; listening to, analyzing, and evaluating music; and performing vocal literature of various styles, historical periods, and world cultures. Students also participate in performance opportunities outside of the school day that support and extend the learning in the classroom.

HEALTH AND WELLNESS

Health and Wellness

Subject/Course 0452 Level KG

(Grade – Kindergarten)

Primary level health education provides the foundation for a life-long journey of developing knowledge, concepts, skills, behaviors, and attitudes related to student health and well-being. This course is part of a planned, sequential, comprehensive health education curriculum that uses the Academic Standards for Health and Wellness to support student development of essential health skills within the ten health content areas. In kindergarten, students begin to identify the role health plays in their life. This course focuses on what students can do to promote good health and well-being, making clear connections to their immediate environment and health information, concepts, skills, and behaviors.

Health and Wellness

Subject/Course 0452 Level 1

(Grade – First)

Primary level health education provides the foundation for a life-long journey of developing knowledge, concepts, skills, behaviors, and attitudes related to student health and well-being. This course is part of a planned, sequential, comprehensive health education curriculum that uses the Academic Standards for Health and Wellness to support student development of essential health skills within the ten health content areas. In grade one, students continue to identify the role health plays in their lives and begin to practice, recognize, and explain the importance of health promoting behaviors such as identifying safe behaviors to prevent common accidents, explaining why it's important to care for their bodies, and practicing working together and following rules. This course focuses on what students can do to promote good health and well-being, making clear connections to their immediate environment and health information, concepts, skills, and behaviors.

Health and Wellness

Subject/Course 0452 Level 2

(Grade – Second)

Primary level health education provides the foundation for a life-long journey of developing knowledge, concepts, skills, behaviors, and attitudes related to student health and well-being. This course is part of a planned, sequential, comprehensive health education curriculum that uses the Academic Standards for Health and Wellness to support student development of essential health skills within the ten health content areas. In grade two, students continue to explore and understand the dimensions of health as being physical, mental, and social, and begin to acknowledge personal responsibility for health promotion and/or risk reduction. They identify and compare the diverse internal and external factors that influence health practices and behaviors, identify health goals and decisions, and name health behaviors to prevent injuries, diseases, and disorders. This course focuses on what students can do to promote good health and well-being, making clear connections to their immediate environment and health information, concepts, skills, and behaviors.

Health and Wellness

Subject/Course 0452 Level 3

(Grade – Third)

Health education for the upper elementary student focuses on how students can assume more responsibility for their health, develop positive health behaviors, and prevent negative, unhealthy behaviors. Acceptance of

differences in individual growth and development as well as strategies to prevent the use of alcohol, tobacco, and other drugs is woven throughout the course. This course is part of a planned, sequential, comprehensive health education curriculum that uses the Academic Standards for Health and Wellness to support student development of essential health skills within the ten health content areas. In grade three, students continue to recognize and examine the interrelationships of emotional, physical, and social health and the impact of their surroundings on their personal health, decisions, and practices. The identification and practice of refusal and conflict-resolution skills contributes to the continued learning of health-enhancing skills, behaviors, and practices. Health education at this level includes the development of a wider range of skills, enhanced knowledge, and an increased emphasis on attitudes conducive to a healthy lifestyle. Opportunities to apply knowledge and skills are provided through interactive instructional strategies and activities

Health and Wellness

Subject/Course 0452 Level 4

(Grade – Fourth)

Health education for the upper elementary student focuses on how they can assume more responsibility for their health, develop positive health behaviors, and prevent negative, unhealthy behaviors. Acceptance of differences in individual growth and development and cultures, as well as strategies to prevent the use of alcohol, tobacco, and other drugs is woven throughout the course. This course is part of a planned, sequential, comprehensive health education curriculum that uses the Academic Standards for Health and Wellness to support student development of essential health skills within the ten health content areas. In grade four, students will identify skills, sources, and strategies for health promotion and demonstrate their understanding and ability to apply them to a personal health plan. The use of the decision-making process, situation analysis, and determining healthy alternatives are central themes at this grade level. Health education at this level includes the development of a wider range of skills, enhanced knowledge, and an increased emphasis on attitudes conducive to a healthy lifestyle. Opportunities to apply knowledge and skills are provided through interactive instructional strategies and activities.

Health and Wellness

Subject/Course 0452 Level 5

(Grade – Five)

Health education for the upper elementary student focuses on how students can assume more responsibility for their health, develop positive health behaviors, and prevent negative, unhealthy behaviors. Acceptance of differences in individual growth and development and cultures, as well as strategies to prevent the use of alcohol, tobacco, and other drugs is woven throughout the course. This course is part of a planned, sequential, comprehensive health education curriculum that uses the Academic Standards for Health and Wellness to support student development of essential health skills within the ten health content areas. In grade five, students will continue to analyze, develop, model, and refine coping, decision making, and interpersonal skills as they relate to adolescent growth and development, disease prevention, stress management, and other health-related areas. Health education at this level includes the development of a wider range of skills, enhanced knowledge, and an increased emphasis on attitudes conducive to a healthy lifestyle. Opportunities to apply knowledge and skills are provided through interactive instructional strategies and activities.

Health and Wellness

Course 0452-06

HLTH & WELL 06

Middle school health education provides for the continued development of attitudes and behaviors related to becoming a health-literate individual. This course is part of a planned, sequential, comprehensive health education curriculum that uses the Academic Standards for Health and Wellness to support student development of essential health skills within the ten health content areas. In grade six, students focus on

continued skill development and skill applications that assist in building competencies for health literacy. These may include decision-making skills, stress management skills, communication skills, social skills, and assertiveness skills. Developmentally appropriate concepts of personal and community health; safety and injury prevention; nutrition and physical activity, mental health; alcohol, tobacco and other drug use; and family life and human sexuality are areas used for skill development. The adolescent student has instructional opportunities to investigate how health behaviors impact health, well-being, and disease prevention and to accept personal responsibility for health-related decisions.

Health and Wellness

HLTH & WELL 07

Course 0452-07

Middle school health education provides for the continued development of attitudes and behaviors related to becoming a health-literate individual. This course is part of a planned, sequential, comprehensive health education curriculum that uses the Academic Standards for Health and Wellness to support student development of essential health skills within the ten health content areas. In grade seven, students focus on continued skill development and more opportunities for analyzing, modeling, and applying skills that will assist in building competencies for health literacy. These may include decision-making skills, stress management skills, communication skills, social skills, and assertiveness skills. Developmentally appropriate concepts of personal and community health; safety and injury prevention; nutrition and physical activity; mental health; alcohol, tobacco and other drug use; and family life and human sexuality are areas used for skill development. The adolescent student has instructional opportunities to investigate how health behaviors impact health, well-being, and disease prevention and to accept personal responsibility for health-related decisions.

Health and Wellness

HLTH & WELL 08

Course 0452-08

Middle school health education provides for the continued development of attitudes and behaviors related to becoming a health-literate individual. This course is part of a planned, sequential, comprehensive health education curriculum that uses the Academic Standards for Health and Wellness to support student development of essential health skills within the ten health content areas. In grade eight, students focus on continued skill development and more opportunities for analyzing, modeling, and applying skills that will assist in building competencies for health literacy. Students apply health education concepts and health literacy skills, e.g., practicing interpersonal communications that promote health; analyzing positive and negative, internal and external influences on health decisions; and demonstrating self-care practices in managing personal daily activities. Developmentally appropriate concepts of personal and community health; safety and injury prevention; nutrition and physical activity; mental health; alcohol, tobacco and other drug use; and family life and human sexuality are areas used for skill development. The adolescent student has instructional opportunities to investigate how health behaviors impact health, well-being, and disease prevention and to accept personal responsibility for health-related decisions.

INTERNATIONAL BACCALAUREATE

The IB Primary Years Programme (PYP) is designed to meet the educational requirements for students aged 5 to 10 (generally grades K-5). The PYP includes 6 units of inquiry studied simultaneously – Language, Social Studies, Sciences, Mathematics, Arts, and Personal, Social and Physical Education. The PYP philosophy is a commitment to structured, purposeful inquiry as the leading vehicle for learning.

The IB PYP has six transdisciplinary themes of global significance through which all subjects are taught. These include: who we are, where we are in place and time, how we express ourselves, how the

MATHEMATICS, GRADE 3

Subject/Course 0430 Level 3

(MATH 03)

Grade 3 students understand place value for whole numbers up to 10,000, interpret and model fractions, use standard algorithms for addition and subtraction of whole numbers, and understand the meaning of multiplication and division of whole numbers. They identify and draw points and lines and measure the length and weight of objects. As in all mathematics courses, the Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

MATHEMATICS, GRADE 4

Subject/Course 0430 Level 4

(MATH 04)

Grade 4 students understand place value for whole numbers, interpret and model decimals, demonstrate fluency with multiplication facts up to 10 and related division facts, multiply numbers up to 100 by single digit numbers and by 10, and model addition and subtraction of simple fractions. They identify and draw various angles and lines and find the perimeter and area of rectangles. As in all mathematics courses, the Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

MATHEMATICS, GRADE 5

Subject/Course 0430 Level 5

(MATH 05)

Grade 5 students multiply and divide whole numbers; compare fractions, decimals and common percents; and add and subtract fractions and decimals. They identify polygons and find the perimeter and area of triangles, parallelograms, and trapezoids. They evaluate simple algebraic expressions and use coordinate grids to represent points in the first quadrant that fit linear equations. As in all mathematics courses, the Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

MATHEMATICS, GRADE 6

Course 0430-06

(MATH 6)

Mathematics – Grade 6 begins the transition from the heavy emphasis on number and operations at the elementary school level towards a more formalized understanding of mathematics that occurs at the high school level. Students connect previous knowledge of multiplication, division, and fractions to ratios and proportional relationships; extend previous understanding of the number system and operations to fractions and negative numbers; apply and extend previous understandings of the number line to plot coordinate pairs on a Cartesian plane; formalize algebraic thinking into algebraic expressions and equations; apply their previous knowledge of geometry in real-world and mathematics situations; and begin to develop understanding of statistical variability and distributions. As in all mathematics courses, the Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

MATHEMATICS, GRADE 7

Course 0430-07

(MATH 7)

Mathematics – Grade 7 continues the trajectory towards a more formalized understanding of mathematics that occurs at the high school level that began in Grade 6. Students extend ratio reasoning to analyze proportional relationships and solve real-world and mathematical problems; extend previous understanding of the number system and operations to perform operations using all rational numbers; apply properties of operations in the context of algebraic expressions and equations; draw, construct, describe, and analyze geometrical figures and the relationships between them; apply understandings of statistical variability and distributions by using random sampling, making inferences, and investigating chance processes and probability models. As in all mathematics courses, the Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

MATHEMATICS, GRADE 8

Course 0430-08

(MATH 8)

Mathematics – Grade 8 continues the trajectory towards a more formalized understanding of mathematics that occurs at the high school level that was begun in Grades 6 and 7. Students extend their understanding of rational numbers to develop an understanding of irrational numbers; connect ratio and proportional reasoning to lines and linear functions; define, evaluate, compare, and model with functions; build understanding of congruence and similarity; understand and apply the Pythagorean Theorem; and extend their understanding of statistics and probability by investigating patterns of association in bivariate data. As in all mathematics courses, the Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

MATHEMATICS LAB

0432

(MATH LAB)

Mathematics Lab provides students with individualized instruction designed to support success in completing mathematics coursework aligned with *Indiana’s Academic Standards for Mathematics* and the *Common Core State Standards for Mathematics*. *Mathematics Lab* is to be taken in conjunction with a mathematics course, and the content of *Mathematics Lab* should be tightly aligned to the content of its corresponding course.

- *Recommended Grade Level: Grades 6-8*
- *This course is for students who need additional support in mathematics.*
- *NOTE: The course may also be used for students who need Tier 2 and 3 interventions in mathematics*

PHYSICAL EDUCATION

Physical Education, Primary

Subject/Course 0450 Level KG

(Grade K)

Physical Education in Kindergarten is based on the *Indiana Standards for Physical Education*.

Students in the kindergarten physical education education program build on the sequential learning experiences of the early childhood program with an emphasis on how students move in the environment. Students learn fundamental locomotor (walking, running, hopping, skipping, jumping, sliding, galloping), nonlocomotor (bending,

twisting, turning, rocking, swaying, rolling, balancing, stretching, pushing and pulling) and manipulative (rolling, throwing, catching/collecting, bouncing, kicking, dribbling, volleying, and striking) skills through a wide variety of activities. These experiences include initial exposure to fitness concepts and fitness development exercises. Activities encourage socialization, feelings of personal success, expressing ideas through movement, and the integration and reinforcement of a variety of educational concepts. Ongoing assessment is conducted throughout the curriculum.

Physical Education, Primary

Subject/Course 0450 Level 1 (Grade 1)

Physical Education in Grade 1 is based on the Indiana Standards for Physical Education.

Students in Grade 1 physical education participate in a wide variety of movement experiences with an emphasis is on moving through space and time. As they perform a variety of fundamental locomotor and nonlocomotor skills students learn to move within different spaces, at varying speeds, with different amounts of force, and using different levels, directions, and pathways. Students learn how to purposely manipulate objects. Skills are developed through application in games, rhythmic activities and developmental exercises. Students learn playground rules and safety practices for self and others. The course fosters fitness and interdisciplinary connections. Ongoing assessment is conducted throughout the curriculum.

Physical Education, Primary

Subject/Course 0450 Level 2 (Grade 2)

Physical Education in Grade 2 is based on the Indiana Standards for Physical Education.

Students in Grade 2 physical education participate in a wide variety of activities and games where they learn to move with one another in space and to work cooperatively with a partner. Activities integrate and reinforce educational concepts. Students learn to combine fundamental locomotor and nonlocomotor skills and to apply basic strategy in active games. Students learn to manipulate objects with a partner (throwing, catching, striking, kicking, bouncing, and rolling). They learn how to use fitness and sport equipment safely and to identify opportunities for involvement in family and community recreation and sport. Students learn fitness concepts (cardio-respiratory endurance, body composition, flexibility, muscular strength and endurance) and participate in fitness activities with more intensity. Ongoing assessment is conducted throughout the curriculum.

Physical Education, Primary

Subject/Course 0450 Level 3 (Grade 3)

Physical Education in Grade 3 is based on the Indiana Standards for Physical Education.

Students in Grade 3 physical education participate in experiences designed to refine fundamental movement patterns and combinations of movements. The emphasis is on how students react and respond to others as they apply strategies in situations such as games, gymnastics, and rhythmic activities. Students learn to analyze their performance in order to learn or improve a movement skill. Students learn rules related to the use of equipment, safety and games. They continue to learn fitness concepts, set personal fitness goals, and apply fitness to daily living. Ongoing assessment is conducted throughout the curriculum.

Physical Education, Primary

Subject/Course 0450 Level 4 (Grade 4)

Physical Education in Grade 4 is based on the Indiana Standards for Physical Education.

Students in Grade 4 physical education participate in experiences designed to refine movement patterns and combinations while placing emphasis on manipulating objects. Students develop more mature techniques for

throwing, catching, striking, kicking, trapping and dribbling and applying combinations of specialized skills through activities like gymnastics, dance, adventure, and individual, dual, and team sport games and activities. They learn to analyze their performance in order to improve their skill level. Students continue to learn fitness concepts, take self assessments, and set goals to improve personal fitness levels. They strengthen cooperation skills, learn to work as part of a group, appreciate personal differences, and value the rights of others. Ongoing assessment is conducted throughout the curriculum.

Physical Education, Primary

Subject/Course 0450 Level 5 (Grade 5)

Physical Education in Grade 5 is based on the Indiana Standards for Physical Education.

Students in Grade 5 physical education further develop their understanding of movement concepts (body awareness, spatial awareness, qualities of movement, relationships) and mature (proficient) movement forms in order to analyze their performance and improve their skill level. They continue to refine and develop complex movement patterns and skills through games, rhythmic activities and sports. The emphasis is on manipulating objects with accuracy and speed. Students continue to learn fitness concepts, participate in fitness activities at school and home, assess their fitness level by comparing their scores to a health related standard, and set goals for improvement. They learn to work independently and together and accept varying abilities and interests. Ongoing assessment is conducted throughout the curriculum.

Physical Education, Grade 6

Course 0450-06 (PHYS ED 06)

Physical Education in Grade 6 is based on the Indiana Standards for Physical Education.

Students in Grade 6 physical education continue to develop psychomotor skills through participation in a variety of developmentally appropriate sports (individual, dual, and team), rhythmic activities, lifetime recreational activities, and fitness activities. The focus is on the development of complex movement skill combinations and knowledge. Students develop an understanding of physiological changes which occur as a result of physical activity. They expand their knowledge of fitness concepts, principles, and strategies as well as how other concepts like self responsibility, positive social interaction, and group dynamics affect learning and performance. Students learn to work cooperatively toward a common goal. Ongoing assessment is conducted throughout the curriculum.

Physical Education, Grade 7

Course 0450-07 (PHYS ED 07)

Physical Education in Grade 7 is based on the Indiana Standards for Physical Education. Students in Grade 7 physical education continue to refine complex combinations of movement in selected sports and activities. They apply more advanced strategies in physical activities and try new sports and lifetime physical activities. The focus is on meeting challenges and making decisions in the context of expanded personal responsibility. Students learn about different cultures and how they relate to the physical activities and dances of those countries. They continue to expand their knowledge of rules and strategies, sportsmanship, and cooperative skills as well as fitness concepts and the benefits of health-related fitness. Ongoing assessment includes both written and performance-based skill evaluations.

Physical Education, Grade 8

Course 0450-08 (PHYS ED 08)

Physical Education in Grade 8 is based on the Indiana Standards for Physical Education

Students in Grade 8 physical education further refine complex motor skills and competencies in selected individual and dual lifetime physical activities, team sports, aquatics, adventure, and rhythmic activities. Students work toward achieving competence in increasingly complex physical activity contexts. They learn to apply interdisciplinary knowledge (e.g., anatomy, physics) to activity settings and focus on working as a team to solve problems. Students develop plans to enhance their own health-related physical fitness and participate in vigorous activities linked to their skills and levels of fitness. Physical activity is used as a venue for self expression and for developing positive relationships. Ongoing assessment includes both written and performance-based skill evaluations.

SCIENCE

SCIENCE

(SCI 01)

Subject/Course 0460 Level 1

Students in first grade study the composition of objects, the nature of solids and liquids, the properties of soil, and the relationship of living things to one another and to their environment. Students learn about naturally occurring and human made materials and design and construct a habitat for an animal.

SCIENCE

(SCI 02)

Subject/Course 0460 Level 2

Students in second grade study changes in physical properties of materials and the affect of force on the motion of an object. They investigate patterns in the weather, in the position of the sun and the moon in the sky during the day and in the shape of the moon over the course of about a month. Students study the life cycles of plants and animals and compare the different body plans. Students investigate simple tools and how they can be used to meet human needs.

SCIENCE

(SCI 03)

Subject/Course 0460 Level 3

Students in third grade study sound and light and recognize them as forms of energy. They investigate rocks and minerals and develop an understanding of how natural materials can meet the needs of plants and animals. Students study plant growth and development. Students investigate the uses and types of simple machines and study ways to solve real world problems.

SCIENCE

(SC GR-4)

Subject/Course 0460 Level 4

Students in fourth grade study heat and electricity as forms of energy and they construct simple electric circuits. They study how the shape of the land changes over time and how natural resources are in limited supply. Students study how the physical characteristics of organisms affect survival and reproduction. Students investigate transportation systems, design a moving system and measure its motion.

SCIENCE

(SC GR-5)

Subject/Course 0460 Level 5

Students in fifth grade study the relationship between weight and volume and the differences between weight and mass. They study the solar system and patterns in the sun-moon-earth system. Students study the roles

and relationships of producers and consumers in an ecosystem. They investigate the human musculoskeletal system and how to design and build prototypes.

SCIENCE

(SCI 06)

Course 0460-06

Students in sixth grade understand that matter is composed of different states with different properties and that energy has different forms with unique characteristics. They understand the relationships between celestial bodies and the force that keeps them in regular and predictable motion. They describe the complex relationships that exist between organisms in all ecosystems and they understand that the major source of energy for all ecosystems is the sun.

SCIENCE

(SCI 07)

Course 0460-07

Students in seventh grade understand that energy cannot be created or destroyed, but only changed from one form into another or transferred from place to place. They understand forces as they apply to nature and machines. They describe how earth processes have shaped the topography of the earth and have made it possible to measure geological time. They understand the cellular structure of living organisms, from single-celled to multicellular.

SCIENCE

(SCI 08)

Course 0460-08

Students in eighth grade understand how atomic structure determines chemical properties and how atoms and molecules interact. They explain how the water cycle and air movement are caused by differential heating of air, land, and water and how these affect weather and climate. They understand that natural and human events change the environmental conditions on the earth. They understand the predictability of characteristics being passed from parent to offspring and how a particular environment selects for traits that increase survival and reproduction by individuals bearing those traits.

SOCIAL STUDIES

Indiana's K – 8 academic standards for social studies are organized around four content areas: History, Civics and Government, Geography, and Economics. Age-appropriate concepts are listed for each standard. Skills for thinking, inquiry and participation are integrated throughout.

SOCIAL STUDIES

(Grade K)

Subject/Course 0470 Level KG

The goal of social studies education is for children to develop thinking and decision-making skills that will prepare them for responsible citizenship in a democratic society. Children begin to acquire these skills at the kindergarten level through learning experiences that allow them to explore their relationships with the immediate environment. This is the time when children begin to develop an understanding of time and space relationships. Kindergarten students are introduced to examples of differences and changes in their

maps and globes; (3) making simple generalizations about change, both past and future, and the influence of geographical locations; (4) giving examples of the diversity of goods and services; (5) exploring the heritage of their own and selected communities; and (6) demonstrating responsible decision-making and citizenship skills.

SOCIAL STUDIES

Subject/Course 0470 *Level 4*

(Grade 4)

Fourth grade students apply their growing academic skills and knowledge to an exploration of Indiana and its relationships with regional, national, and world communities. Students are beginning to develop a more definite concept of time and can begin to deal with cause-and-effect relations and decision-making processes, such as identifying problems and considering alternative solutions and their consequences. These skills and concepts must be related to students' lives and should be presented in a wide variety of resources and hands-on-activities, which include: (1) collecting and examining primary documents and artifacts, (2) making models and maps, (3) talking with community resource persons, and (4) visiting historic sites and buildings.

In the fourth grade, students identify key people, places and events that have shaped their state and region. They learn to explain how changes have affected people and communities. Students identify major land forms, water features and resources, and explain how they have influenced state and regional development. They learn to describe the basic structure of state government and explain its purpose. Students have opportunities to actively explore and appreciate the diverse cultures which have contributed to Indiana's heritage. Students also learn to develop proficiency in working cooperatively in groups to: (1) collect data from a variety of resources, including electronic and print media; (2) draw simple conclusions; and (3) organize data using graphs, charts, maps, and simple time lines.

SOCIAL STUDIES

Subject/Course 0470 *Level 5*

(Grade 5)

Through active learning experiences at the fifth grade level, students begin a formal exploration of United States history, geographic regional studies, economics, government, current events, and cultural heritage. Students' increasing interest in the ability to gather and organize data enables them to explore the physical and cultural characteristics of the United States and its neighbors. Most fifth grade students benefit from working and sharing in flexible groups so that they can become actively involved in "how-to" demonstrations. Their natural interest in science, biography, and travel set the stage for experience involving maps, memorabilia, collections, simulations, educational games, group-planned projects, first-person presentations, and school and community experiences. Fifth graders' interest in collecting and demonstrating uses of old objects provides avenues for extending time concepts.

In activities, emphasis is placed on the problem-solving skills of questioning, examining fact and opinion, analyzing and evaluating sources of information, contrasting and comparing using primary and secondary sources, and conducting research using a variety of resources, including technology and electronic and print media. Students also learn to describe the major components of our national government and to demonstrate responsible citizenship in the classroom and school setting. Additional standards to be taught include: (1) analyzing maps, globes, and graphic organizers; (2) creating and interpreting charts and graphs; (3) identifying relationships; (4) debating issues; (5) posing alternative actions; and (6) developing thinking and independent study skills.

SOCIAL STUDIES

Course 0470-06

(SOC ST 06)

Students in sixth grade compare the history, geography, government, economic systems, current issues, and cultures of the Western World with an emphasis on: (1) Europe, (2) North America, (3) South America, (4) Central America, (5) the Caribbean region, and (6) Antarctica. Instructional programs for sixth grade students include experiences which foster the passage from concrete examples to abstract reasoning, concepts, ideas, and generalizations. Opportunities to develop skills include the use of a variety of resources and activities. Students should acquire positive attitudes regarding active participation, cooperation, responsibility, open-mindedness, and respect for others.

SOCIAL STUDIES

Course 0470-07

(SOC ST 07)

Students in seventh grade compare the history, geography, government, economic systems, current issues, and cultures of the Western World with an emphasis on: (1) Asia, (2) Africa, (3) the Commonwealth of Independent States, (4) the Middle East, (5) the Pacific Islands, (6) Australia, and (7) New Zealand. Learning experiences for seventh grade students should help them to make the transition from concrete examples to abstract ideas, concepts, and generalizations. In-depth studies provide greater understanding of environmental influences on economic, cultural, and political institutions. Opportunities to develop thinking and research skills include reading and interpreting maps, graphs, and charts. Decision-making and problem-solving activities should include the following: (1) identifying problems, issues and questions; (2) information gathering; (3) hypothesizing; and (4) evaluating alternative solutions and actions.

SOCIAL STUDIES

Course 0470-08

(SOC ST 08)

Eighth grade United States History emphasizes the interaction of historical events and geographic, social, and economic influences on national development prior to the twentieth century. Special attention is given to (1) Native American cultures and the pre-Columbian period; (2) colonial, revolutionary, and constitutional issues; (3) early national formation; (4) sectional divisions leading to the Civil War; (5) Reconstruction; (6) industrialization; (7) urbanization; and (8) immigration. In this course, students examine major themes, issues, events, movements, and figures in United States history prior to 1900 and explore relationship to modern issues and current events, for example: (1) antiwar movements in different periods in United States history, (2) the influence of inventions and economic innovations, and (3) Indiana's concurrent growth and development. Eighth grade students need to experience a variety of teaching and learning strategies. Students are provided practice in thinking and research skills by learning to use the media center, primary documents, and community resources to identify, evaluate and use appropriate data and reference information. This course also helps student to develop an appreciation of historical preservation. Finally, students should demonstrate, through their studies, a commitment to the rights and responsibilities of citizenship in a democratic society.

WORLD LANGUAGES

WORLD LANGUAGES – GRADES K-3

Subject/Course 0402

Levels K-3

(WL KG-3)

World Languages – Grades K-3, a course based on *Indiana's Academic Standards for World Languages*, focuses on the student's self, emphasizing developmentally-appropriate vocabulary centered around the student and the immediate, familiar environment. The principle objectives for these grades are developing listening comprehension skills and fostering confident interpersonal communication. While print and written materials

can be present in the classroom setting to enable peripheral learning and to generate student interest, interpretive skills related to reading are not explicitly taught in the introductory grades. Emphasis is also given to developing student awareness of relationships between the target language and cultures, as well as reinforcing concepts from other content areas. World Languages – Grades K-3 is designed to be a sequential Foreign Language in the Elementary School (FLES) course that builds to communicative proficiency in a world language.

WORLD LANGUAGES – GRADES 4-6

Subject/Course 0404 Levels 4-6 (WL 4-6)

World Languages – Grades 4-6, a course based on *Indiana’s Academic Standards for World Languages*, focuses on the student and his or her family, taking into account the expanding awareness of students at this grade level. The principle objectives for these grades are continued development of interpersonal communication skills, as well as development of interpretive skills involving word recognition and reading. Emphasis is also given to developing student awareness of relationships between the target language and cultures, as well as reinforcing concepts from other content areas. World Languages – Grades 4-6 is designed to be a sequential Foreign Language in the Elementary School (FLES) course that builds to communicative proficiency in a world language.

WORLD LANGUAGES IMMERSION GRADES K-3

Subject/Course 0422 Levels K-3 (WLI K-3)

World Languages Immersion – Grades K-3 is a world language program in which at least fifty percent of instructional time is spent learning subject matter taught in the world language. Students address specific grade-level academic standards for selected subjects; the focus of the world language program is delivery of the content, and teachers should follow the content area academic standards at the appropriate grade level. Thus, world language learning is incorporated as necessary throughout the curriculum; language, content and culture are interwoven throughout instruction. Program models generally fit into one of three categories: total immersion, partial immersion, or two-way (dual) immersion. Students in these courses typically reach higher levels of functional proficiency in the language than through Foreign Language in the Elementary School (FLES) programs.

WORLD LANGUAGES IMMERSION GRADES 4-6

Subject/Course 0424 Levels 4-6 (WLI 4-6)

World Languages Immersion – Grades 4-6 is the continuation of a world language program that began in grades kindergarten through third, in which at least fifty percent of instructional time is spent learning subject matter taught in the world language. Students address specific grade-level academic standards for selected subjects; the focus of the world language program is delivery of the content, and teachers should follow the content area academic standards at the appropriate grade level. Thus, world language learning is incorporated as necessary throughout the curriculum; language, content and culture are interwoven throughout instruction. Program models generally fit into one of three categories: total immersion, partial immersion, or two-way (dual) immersion. Students in these courses typically reach higher levels of functional proficiency in the language than through Foreign Language in the Elementary School (FLES) programs.

WORLD LANGUAGES, MIDDLE LEVEL

Course 0406 Levels 6-8 (WL 6-8)

World Languages, Middle Level, a course based on *Indiana’s Academic Standards for World Languages*, follows one of two sequences of standards: those for a program beginning at the middle level, or those for a middle level

program that is a continuation of an elementary program. This course focuses on friends and all things social, taking into account adolescents' interest in friendship and social activities. Students in this course will continue to improve both productive and receptive language skills, and their educational background and cognitive development allow them to expand their understanding of structural differences between languages as well as gain a more in-depth cultural awareness. Students beginning study at this grade level should be directed to vocabulary and introductory language skills of the previous grade level to allow for personalization of and a strong foundation in the language. Middle Level World Languages is designed to be a sequential course that builds to communicative proficiency in a world language.

- Recommended Grade Level: 6-8

WORLD LANGUAGES IMMERSION, MIDDLE LEVEL

Course 0426 *Levels 6-8* *(WLI 6-8)*

World Languages Immersion, Middle Level is the continuation of a world language program that began at the elementary level, in which at least fifty percent of instructional time is spent learning subject matter taught in the world language. Students address specific grade-level academic standards for selected subjects; the focus of the world language program is delivery of the content, and teachers should follow the content area academic standards at the appropriate grade level. Thus, world language learning is incorporated as necessary throughout the curriculum; language, content, and culture are interwoven throughout instruction. Program models generally fit into one of three categories: total immersion, partial immersion, or two-way (dual) immersion. Students in these courses typically reach higher levels of functional proficiency in the language than through middle level world language courses or exploratory world language courses.

Recommended Grade Level: 6-8

EXPLORING WORLD LANGUAGES

Subject/Course 2182 *Levels K-8* *(EX WLD LANG)*

Exploring World Languages is a course that may be offered to students in Kindergarten through Grade 8 that provides a sampling of world languages and cultures for students who have not had a prior opportunity for world language learning. Typical objectives of this course include development of basic linguistic and cultural awareness, learning basic words and phrases in world languages, development of listening skills, and development of an interest in world languages for future study. Exploring World Languages is a non-sequential course, and does not lead to the development of communicative proficiency in a world language.