HEA INC  HOME EDUCATION CURRICULUM OUTLINE  
A STUDY GUIDE FOR KINDERGARTEN TO YEAR 12

Homeschooling  
the world is our classroom
Home Education
Home education is a rewarding and challenging endeavour enjoyed by thousands of Australian families. It is a practical and successful alternative to school-based education for children. Homeschooling families select from a variety of approaches and curricula, and draw on a huge array of materials and resources, to suit their children’s individual learning styles and needs. Parents find that being involved in all aspects of their children’s development is enriching and fulfilling.

Home Education is Legal
Families interested in home educating their children should inquire about the conditions and regulations from the appropriate educational authorities. Visit www.hea.edu.au for more information and details on where to register. The approval process generally involves the preparation of a program of learning for the children, how you will monitor progress, an initial interview and an annual review. It is helpful to join a local support group or talk to local home educating families about their registration experiences before taking this step.

Homeschooling Networks
Homeschooling families come together to form supportive networks which cater to the educational and social needs of their members. Homeschooling support groups organise regular educational and social activities for children. Educational excursions to cultural places of interest, educational institutions and tours through factories and workplaces are often arranged for whole families. Camping trips and regular picnics are a feature of many groups. There are also group learning opportunities organised for children in all areas of the curriculum, either as stand-alone classes or in learning cooperatives.

The Home Education Association Inc. and your local support group can help you prepare for teaching your children at home and to support you in getting started and succeeding on this wonderful educational adventure with your children. Visit www.hea.edu.au for more information and to browse local and online support group listings.

The Benefits
A child educated at home has a parent available at any time. This individual attention allows for:

- increased engagement during learning tasks;
- structuring programs tailored to the child’s individual learning style and academic level;
- learning on topics of interest to the child and also for periods that suit the child, leading to the development of self-motivation, increased self esteem and life-long learning skills;
- access to real world experiences and activities, in and outside of the home, that most schools only dream about;
- early identification and resolution of learning problems and misconceptions;
- for discussion of issues concerning values and relationships as they arise and within context;
- increased time to learn beyond the required state curriculum;
- provision of, and access to, a huge range of resources not generally available within the classroom;
- access to an increased number and variety of social opportunities and activities leading to the early development of a wide range of social skills and mature attitudes, cooperative behaviours and a balanced understanding of their society.

Home educated graduates easily access tertiary education and are able to choose a variety of pathways to satisfying employment to suit their individual needs and personalities. Some enter university by direct application or sit an entrance exam; others complete HSC or vocational courses through school attendance or distance education; some do TAFE courses that lead to employment or further education; some start their own businesses or remain vital members of their family’s business. Home education is a proven pathway to successful, full and satisfying adult lives for young people.

Home Education is legal in every state of Australia. The regulations and laws governing home education provision vary from state to state. For more information, visit www.hea.edu.au and look under ‘get started’.
What is the HEA?
Formed in April 2001, the Home Education Association Inc. (HEA) aims to promote the practice of home educating in Australia and to provide members with benefits which would be difficult to obtain by individuals or smaller groups.

The HEA has been formed to support, promote and encourage the practice of home education. The HEA has no affiliation with state education authorities and all members should note that privacy is an Association priority.

The broader objectives of the HEA are as follows:
- to uphold the principle that parents are primarily responsible for the education of their children;
- to promote a broader awareness of Home Education and its benefits throughout Australia;
- to promote and encourage the development of Home Education Networks;
- to provide services and resources to Home Education Networks and individual home educators;
- to endeavour to procure any rights, privileges, concessions or benefits relating to home education for home educators and their families;
- to maintain a respect for the diversity of philosophies and methods used by Home Educators.

Membership
Membership is available to all home educating families in Australia. Becoming a member of the Association is a way in which you can support this Australia-wide initiative to promote the practice of home education. If you would like to find out more about the Association please visit the web site: www.hea.edu.au.

Joining the HEA costs $60 per family for the first year, and $50 per year after that.

HEA Services / Benefits
Your membership helps to promote and support the home education community in the following ways:
- maintaining a web presence: www.hea.edu.au
- regular newsletters members and the public;
- magazines to HEA members;
- delivering phone support and enquiries;
- email enquiry service;
- providing insurance cover for events, activities and work experience students;
- responding to requests for information from media and researchers;
- informing bureaucrats and politicians at all levels of government about the nature and benefits of home education;
- producing promotional material to help increase awareness of home education as an option in the public arena;
- maintaining an Australia-wide directory of individual contacts and support groups;
- hosting internet discussion forums for HEA members and non-members;
- negotiating discounts and special offers from educational businesses and suppliers;
- discounts to HEA organised events, home education workshops, courses and seminars;
- providing aid to support groups to run local introduction to home education evenings and some other activities;
- developing home education literature and products;
- communicating with other home education organisations in Australia and overseas.
Home Education Curriculum Outline

A Study Guide for Kindergarten to Year 10

Compiled by Colleen Strange
HEA Member

This course of study shows topics traditionally studied in Australian schools in an approximate order in which they may be studied. The intention is to provide a very general guide for the purpose of producing a program—not as a course of study that should be followed or as a guide to what is taught in Australian schools.

It is produced with some trepidation because of the possibilities of misunderstanding my intentions in giving such a list. I would be appalled to learn of someone using it in a prescriptive manner; it is meant to be taken with a good dose of salt. For instance, I would not press a child to be reading and writing by Grade 2 if she doesn’t want to learn or isn’t showing readiness to read yet. I would, however, read to her every day, possibly several times a day, a variety of different types of text, thus, in many ways, cover the same material that this course of study lists. By reading aloud I would be introducing new vocabulary, informally teaching dictionary skills, conversationally pointing out the spelling of certain words, playing word games, dictating their stories and poems, and so on.

This course of study is not meant to burden you with guilt. Don’t try to do everything in the list! Don’t use it to compare your children with some imaginary school standard. Nor should you be thinking yourself a failure if your twelve year old still can’t write a 500 word report, or isn’t producing water-colour works of art. This guide is simply meant to give you ideas for programming.

Everyone uses a combination of all their senses to learn. How we learn is often called our ‘learning style’. We tend to prefer one or two styles over others. Some children will be more energetic than others and prefer to move around: this is how they learn best. Other children are quiet and prefer to sit and read or watch. Some children can’t stop humming or singing, or doodling and drawing. Engaging your children’s learning style, while giving them a balance of different types of experiences and activities will ensure that learning at home runs smoothly. Learning about the different stages of child development can also prevent unnecessary concern or conflict. Get to know your child’s disposition and temperament and work with it, rather than against it.

A topic should not be studied primarily in a ‘book-work’ style. Use a variety of materials that challenge your child to make use of all their learning faculties, including those with which your child learns best. Encourage your child to tackle various methods of learning and to do some of the more formalized, book-work if and when it seems appropriate, but do not rely on such methods exclusively. Schools don’t. Encourage a range of different activities from which your child can learn the same skill set and knowledge as he would from a text or work-book. In the same way, don’t rely solely on computer or internet delivery of educational lessons.

A topic of study should be an orchestrated collection of different experiences. Visit a museum, or an enthusiast passionate about the topic; read a biography or an historical novel; watch a video; build a model; produce a drama; take up archery – the list of different ways to approach learning the one topic is bounded only by the imagination! Encourage your children to explore the subject from different perspectives.

Although some home educators follow a scope and sequence approach, particularly in mathematics and English, many allow their children to pursue individual topics or units in depth, often beyond the ‘grade level’ stipulates. Children can often understand concepts beyond their school peers when allowed to follow a line of inquiry or interest. Unhindered by the time and management constraints of the classroom, home educating students are able to enrich their learning by vast range of community resources. This can enable learning outcomes to occur years ahead of the traditional school curriculum schedule.

All children learn quickly in some subjects and more slowly in others. This is often a factor of their preferred learning style, disposition and temperament. Often, attitude can come into play: if a child has learned a particular subject or topic is hard (due to previous experience) he may be reluctant to tackle it. Be guarded in your comments so you don’t prejudice your children’s attitudes to learning with your own.

Your child may be at ‘Grade 4 level’ in some aspects of Maths, and at ‘Grade 2 level’ in his understanding in
English (even though he may not yet be reading fluently). He may develop understanding and ability quickly in some subjects and then seem to learn nothing while other children around them catch up. Often this is a period where he is concentrating on some other area of development, or even physically growing. Or he could simply be consolidating and making sense of what he has already learned.

The great advantage in homeschooling is that you can provide for your children’s individual learning needs. Each individual child develops, through interaction with his or her particular environment, a unique set of thoughts and conclusions that is utterly, totally different from anyone else, including yours as parent. Consequently, it is nonsense for anyone to assert that there is only one right or correct educational course of study for children.

Your child will naturally cover topics in more or less depth. Some subjects will hold greater interest to your child and she will spend many hours pursuing those topics, showing little interest in others. This is perfectly normal. We regard this form of learning as appropriate and proper for adults, yet not for children. No one questions an adult’s pursuit of a hobby or research project, unless it becomes obsessive. Allow your child to follow through with her interests and investigations until her curiosity and learning need is satisfied. At the same time, ensure that she has access and is encouraged to balance her daily activities.

If you wish to broaden your children’s education into the areas they show little natural interest you may choose to add a little spice or creativity to engage their participation – instead of studying the book, watch the film version and talk a bit about it; instead of memorizing the formulas of wave motion find a book or video that explains it on a more simple or peripheral level.

This course list was developed from Office of the Board of Studies syllabus material, World Book Typical Course of Study, the Hammond Australian Home School Curriculum, and with reference to various texts available in educational bookstores.

The introduction of the National Curriculum may change some areas of learning and will change subject headings, but overall the content will be similar to what is listed in this document. HEA will update this guide as more information becomes available.

Information about the various state syllabi is available on the internet. Visit www.hea.edu.au and look under ‘get started>curriculum’ for the most recent links to curriculum resources.
Preschool / Kindergarten

**English**
- Leaf through picture books
- Know printed materials are decoded for information
- Phonics
- Listen to literature, music, poetry
- Nursery rhymes, fairy tales, fables
- Social listening
- Construct visual images while listening
- Oral communication skills
- Role play
- Follow and give directions
- Identify sounds e.g. rain, truck
- Paraphrase and summarize
- Organize ideas
- Express needs and wishes
- Experience stories
- Relate events and experiences using complete sentences
- Listen for correct speech habits and word usage
- Begin writing process

**Mathematics**
- Simple counting to 20
- One-to-one relationship
- Concepts of more, less than, same
- Sequence of events
- Correspondence of quantities
- Know first, second, third etc
- Number-numeral relationship
- Recognition of basic set
- Meaning of addition and subtraction
- Introduction to number line
- Estimation
- Elementary geometry (shapes)
- Simplest calendar and clock work
- Denominations of money
- Basic problem-solving strategies
- Basic chart and graph concepts

**Science & Technology**
- Observation of everyday, familiar things
- Common animals and plants
- Interrelationships of animals and plants
- Living and non-living things
- Care of pets
- Homes and other buildings
- Use communication devices
- The sun: our principal source of energy
- Weather and seasons
- Simple measurement
- Beginning experimentation

**History, Geography**

**Society and Environment**
- Meanings of holidays, traditions, and customs
- Understanding and appreciating other cultures
- Individual's role in family, home, and community
- Relationship of the individual in various groups
- Work and jobs
- Safety rules and symbols
- Basic human needs
- Self-respect and self-awareness
- Awareness of others
- Location of home and shops
- Diagram of home and school
- Indigenous Australians

**Creative Arts**
- Drawing with a range of media
- Painting with a range of media
- Modeling with a range of media
- Appreciate different art works
- Communicate ideas about other artworks
- Sing, rhyme and move to music
- Appreciate high-low, loud-soft, fast-slow
- Recognize sounds of some instruments
- Copy simple rhythms
- Imaginative play
- Mimic games
- Respond to dramatic works
- Move to 4/4 time
- Appreciate various forms of dance

**Health, Physical and Personal Development**
- Personal hygiene
- Good eating habits
- Good grooming
- Care of teeth
- Major body parts
- Physical fitness
- Aware and in control of body – run, stop, roll, slide etc
- Basic movements – somersault, bunny hops, etc
- Move to music – run, skip, walk
- Rolling, throwing, catching large soft balls
- Basic group games – hide & seek etc
- Follow simple obstacle course
- Road safety
1st Grade

**English**
- Read simple sentences
  - Phonetic analysis
  - Structural analysis
  - Establish sight vocabulary
- Recognize, write/copy letters of alphabet
- Read informally: names, labels, signs
- Simple pantomimes and dramatic play
- Create stories and poems
- Tell/narrate favourite stories
- Organize ideas and impressions
- Enunciation and pronunciation
- Present information orally, in sequence and with clarity
- Discussion skills
- Understand why and how to use a dictionary
- Write own name
- Begin spelling and add to rhyming words e.g. cat, bat, hat
- Begin grammar: nouns, verbs, adjectives
- Introduction to punctuation and capitalization
- Manuscript handwriting
- Handle books, use table of contents

**Mathematics**
- Counting and writing to 100
- Counting by 2’s and 5s
- Simple number patterns
- Beginning ordinal numbers
- Using 10 as a basic unit
- Simple properties of zero
- Simple properties of sets
- Beginning addition and subtraction facts
- Number-line use
- Place value and numeration
- Value of coins
- Solving simple word problems
- Concepts of quantity and size
- Concepts of equality and inequality
- Concepts of ordinal and cardinal numbers
- Using ½ and ¼ appropriately
- Estimation
- Geometric patterns and figures
- Basic customary and metric measurement
- Recognizing simple time: clock and calendar
- Basic probability and chance
- Basic chart and graph concepts

**Health, Physical & Personal Development**
- Personal hygiene, care of teeth
- Good eating habits
- Diseases
- Dressing for weather and activity
- Physical fitness, body awareness and control
- Basic movements – forward somersault, bunny hops, run, skip, obstacle course, etc.
- Rolling, throwing, catching large soft balls
- Basic group games – hide & seek etc
- Move to music
- Road safety

**Creative Arts**
- Drawing with a range of media
- Painting with a range of media
- Modeling with a range of media
- Printing
- Basic weaving and plaiting
- Experiment with papers and fibres
- Communicate ideas about other artworks
- Sing, rhyme and move to music
- Appreciate loud-soft-softer, fast-slow-slower
- Recognize sounds of more instruments
- Same and different tones
- Copy simple rhythms
- Appreciate different styles of music – classical, jazz, rock
- Harmony and dissonance
- Imaginative play
- Use movement and voice in drama
- Mimic games
- Appreciate dramatic works
- Appreciate various forms of dance
- Self-expression in drama and dance

**Science & Technology**
- Living and nonliving things
- Animals, care for pets
- Gardening – Seeds, bulbs, plants, flowers
- Cooking
- Designing and making
- Simple machines in toys and sports
- Use media to communicate e.g. computer, microphone, video camera
- Energy sources
- Beginning experimentation, scientific method

**History, Geography**

**Society and Environment**
- Holidays, traditions, and customs
- Different cultures at different times
- Family, school, neighbourhood, community
- Farm and zoo
- Jobs and careers
- Social skills and responsibilities
- Basic geography terms
- Making and reading a simple neighbourhood map
- Indigenous Australians
2nd Grade

**English**
- Exposure to literature of all types of genre
- Read silently for purpose
- Dramatizations and interpretative or oral reading
- Use and meaning of quotation marks in reading
- Story development: beginning, middle, end
- Simple oral book reviews
- Listening skills
- Organizing ideas and impressions
- Follows 2-3 directions in sequence
- Using dictionary guide words
- Vocabulary development
- Word play: homonyms, synonyms, antonyms
- Ways to study spelling
- Punctuation and capitalization
- Refining manuscript handwriting
- Narrate simple description, letters, poetry
- Use table of contents and index

**Science & Technology**
- Gardening
- Cooking, where food comes from
- Designing and making
- Habitats and homes
- Effects of the seasons on people, animals, plants
- Senses
- Naturally occurring substances
- Air and atmosphere
- Recycling
- Scientific method and scientific inquiry

**Creative Arts**
- Draw with a range of media
- Paint with a range of media
- Model with a range of media
- Printing
- Basic weaving and plaiting
- Experiment with papers and fibres
- Needle and thread
- Appreciate different art works
- Meet artists
- Communicate ideas about other artworks
- Role of audiences of various art forms
- Sing, rhyme and move to music
- Appreciate loud-soft-softer, fast-slow-slower
- Recognize sounds of more instruments
- Same and different tones
- Copy simple rhythms
- Appreciate different styles of music – classical, jazz, rock
- Harmony and dissonance
- Imaginative play
- Use movement and voice in drama
- Miming games
- Appreciates dramatic works
- Appreciate various forms of dance
- Self-expression in drama and dance

**History, Geography**
- Celebrations, holidays and festivals
- Communities in other lands: past and present
- Family and family history
- Families and neighbourhoods around the world
- Community services and helpers
- Shelters, stores, and food
- Citizenship and social responsibility
- Interdependence of people
- Basic geography: oceans, continents
- Map skills
- Indigenous Australians

**Mathematics**
- Counting, reading, writing to 1,000
- Counting by 2's, 3's, 4's, 5's, and 10's
- Ordinal numbers to 10
- Zero as a place holder
- Using sets and number facts
- Addition and subtraction facts to 20
- Basic multiplication and division facts
- Multiplication and division facts as inverse operations
- Multiplication properties of 0 and 1
- Place value through 100's
- Fractions in daily life
- Decimal numeration system
- Basic concept of ratio
- Geometry puzzles and activities
- Estimation
- Common customary and metric measures of time, weight, length, volume, shape, temperature
- Telling time and using the calendar
- Handling money (coins)
- Problem solving
- Charts and graphs

**Health, Physical and Personal Development**
- Personal hygiene
- Good eating habits
- Dental hygiene
- Communicable diseases
- Preventive measures against disease
- Neighbourhood safety
- Communicate appropriately in various situations
- Make good judgments
- Solve familiar problems
- Perform simple dance patterns of a few steps
- Physical fitness
- Catching games
- Throwing, kicking, balancing different sized balls
- Jumping and balancing skills
- Cartwheels, handstands, pull ups, push ups.
- Jumping rope
- Field athletics or dancing
- Road safety

**Society and Environment**
- Gardening
- Cooking, where food comes from
- Designing and making
- Habitats and homes
- Effects of the seasons on people, animals, plants
- Senses
- Naturally occurring substances
- Air and atmosphere
- Recycling
- Scientific method and scientific inquiry
3rd Grade

**English**
- Silent reading
- Read prose and poetry aloud
- Reporting experiences orally with accuracy
- Understand and relay information
- Recall details of story heard with all main points
- Make logical complaints
- Enjoy jokes and humour
- Dictionary skills
- Word play with synonyms, antonyms, homonyms
- Spell basic words and days of week
- Begin cursive writing
- Understand concept of paragraph
- Recognize use for period, comma, question mark, apostrophe, quotation marks
- Narrate short, original stories and poems
- Write/narrate letters and notes
- Write/narrate proper and grammatical sentences
- Know basic parts of speech
- Corrects own work
- Increase indexing skills

**Mathematics**
- Reading and writing numbers to 5 places
- Beginning Roman numerals
- Rounding numbers
- Positive and negative numbers in daily life
- Simple fractions and equivalents
- Properties of one
- Numeration systems
- Addition and subtraction facts to 25
- Multiplication and division facts to 100
- Perimeter, area, volume
- Geometric constructions
- Similar and congruent figures
- Properties of solid figures
- Customary and metric measurement
- Time to 1- and 5-minute measures
- Estimation of outcomes
- Problems-solving analysis
- Word problems
- Charts and graphs

**Health, Physical and Personal Development**
- Care of eyes and ears, teeth
- Prevention and control of diseases
- Parts of the body
- Nutrition
- Health with relation to food, shelter, clothing
- Health services
- Home safety hazards, safety in the community
- Simple first aid
- Physical fitness and balanced leisure activities
- Dexterity with different sized balls
- Jumping and balancing skills
- Cartwheels, handstands, pull ups, push ups.
- Jumping rope
- Field athletics
- Dancing

**Creative Arts**
- Drawing with a range of media
- Painting with a range of media
- Modeling with a range of media
- Printing
- Basic weaving and plaiting
- Experiment with papers and fibres
- Needle and thread
- Appreciate different art works
- Meet artists
- Communicate ideas about other artworks
- Role of audiences of various art forms
- Sing, rhyme and move to music
- Appreciate loud-soft-softer, fast-slow-slower
- Recognize sounds of more instruments
- Same and different tones
- Copy simple rhythms
- Appreciate different styles of music – classical, jazz, rock
- Harmony and dissonance
- Imaginative play
- Use movement and voice in drama
- Appreciates dramatic works
- Appreciate various forms of dance
- Self-expression in drama and dance

**History, Geography, Society and Environment**
- Holidays and customs
- Indigenous Australians
- Explorers and pioneers
- Appreciation of different cultures, races, religions
- History and development of local community
- Community helpers
- Consumers and producers
- Sources of food and clothing
- Shelters of animals and people
- History and development of transportation
- History and development of communication
- Citizenship and social responsibility
- Basic human needs and wants
- Local geography and topography
- Australian geography and regions
- The continents
- Flat maps and globes

**Science & Technology**
- Gardening
- Cooking
- Designing and making
- Passenger transport
- Gears and cogs
- Simple structures
- Building materials
- Communication devices
- Magnets and static electricity
- Environments of living things
- Scientific method and scientific inquiry
English
- Silent and oral reading
- Listening skills
- Retell poem or story with accents and emphasis
- Make simple presentation of a subject
- Forms opinions from comments made
- Telephone skills
- Making and accepting simple social introductions
- Summarizing simple information
- Listens to chapter books, poetry, plays, humour
- Critical reading
- Spelling
- Increasing dictionary skills
- Cursive handwriting
- Simple outlining
- Writing letters and informal notes, book reports
- Creative writing
- Developing skills in locating information
- Developing encyclopaedia skills
- Utilizing parts of a newspaper
- Write in paragraphs
- Write stories, journal entries, poems, letters, reports and book reports

Creative Arts
- Drawing, painting, modelling, printing with a range of media
- Basic weaving and plaiting
- Experiment with papers and fibres
- Needle and thread
- Appreciate different art works, meet artists
- Communicate ideas about other artworks
- Role of audiences of various art forms
- Sing, rhyme and move to music
- Appreciate loud-soft-softer, fast-slow-slower
- Recognize sounds, same and different tones
- Copy simple rhythms
- Appreciate different styles of music
- Harmony and dissonance
- Imaginative play
- Use movement and voice in drama
- Appreciates dramatic works
- Appreciate various forms of dance
- Self-expression in drama and dance

Science & Technology
- Gardening
- Cooking, commercial food preparation
- Designing and making
- Cycles of living things
- Cycles of non-living things
- Plants and animals used by humans
- Australian plants and animals
- Recycling
- Conservation
- Human body systems – circulation, skeletal/muscular, respiration, nervous
- Properties of Sound
- Properties of natural and made materials
- Film making and computer animation
- Scientific method and scientific inquiry

Mathematics
- Reading and writing numbers
- Roman numerals to C
- Prime numbers and factoring less than 100
- Numeration systems
- Subsets
- Decimal and fraction equivalents
- Addition and subtraction facts to 7 places
- Multiplication and division facts to 144
- 1-, 2-, and 3-digit multiplication problems
- 2- and 3-digit dividend, 1-digit divisor problems
- Meaning of mixed numbers
- Finding simple averages
- Geometric concepts
- Customary and metric measurement
- Time to the second
- Problem-solving methods
- Charts and graphs

Health, Physical and Personal Development
- Personal and mental hygiene
- Make decisions as an individual and as group member
- Make positive contribution as group member
- Solve problems using a variety of strategies
- The body and its functions
- Skeletal and muscular systems
- Care and proper use of the body
- Principles of digestion
- Basic food groups, good nutrition habits
- Diseases
- Safety and first aid
- Substance abuse
- Further ball handling skills – catching fast flying balls etc
- Basic tumbling routines – gymnastics
- Individual sport – swimming, shot put
- Group sport – relay races, soccer

History, Geography

Society and Environment
- Types of community life
- Indigenous Australians
- History and development of the local state
- Australian States & Territories
- Laws and law enforcement
- Major news issues e.g. war, discovery
- Involvement in public projects e.g. 40 hour famine, charity work
- World cultures
- Reasons for our laws
- Regions of the world
- Continents
- Time zones
- Earth’s resources
- Climatic regions of the world
- Map skills: longitude, latitude, using scale
- Using a globe
5th Grade

English
- Silent and oral reading
- Listening skills, listens to types of literature
- Recall sequence both logical and illogical, sorts out irrelevant information
- Expresses ideas accurately using logic
- Dictionary for word meaning, analysis, spelling
- Common homonyms, synonyms and antonyms
- Homophones and homographs
- Uses a thesaurus
- Spelling
- Plurals and possessives
- Parts of, and different types of sentences
- Cursive handwriting
- Outlining
- Writing letters, stories, reports, poems, plays
- Preparing a simple bibliography
- Proofreading skills
- Parts of a newspaper
- Using study materials: keys, tables, graphs, charts, legends, library catalogues, index, table of contents, reference materials, maps
- Write stories, journal entries, poems, letters, reports and book reports of 250 words
- Uses more interesting adverbs and adjectives.

Science & Technology
- Gardening
- Cooking
- Designing and making
- Transport of cargo national and international
- Community services – sewerage, water, electricity, gas etc
- Communication devices past and future
- Use and control of electricity
- Properties of air, wind and water and uses
- Sun and solar system
- Space and space exploration
- Scientific method and scientific inquiry

Mathematics
- Reading and writing numbers to 10 places
- Mixed numbers
- Set of integers
- Numeration systems
- Addition, subtraction, multiplication, division of whole numbers
- Fundamental processes: whole numbers and common fractions
- Common and decimal fractions
- Decimals to the thousandths
- Ratio and percent
- Exponents
- Customary and metric measurements
- Extension of geometric concepts
- Word problems in daily life
- Charts and graphs: picture, bar, line, and circle graphs
- Concept of sampling

History, Geography
- Society and Environment
- Before white settlement
- Colonization of Australia
- Exploration and discovery of Australia
- Industrial and cultural growth
- Principles of democratic government
- Time lines
- Geography of Australia
- Natural resources of Australia
- Countries and cultures of South East Asia
- Map and globe skills
- Current affairs
- Involvement in public projects e.g. charities, politics
- Indigenous Australians

Creative Arts
- Drawing, printing, painting, modelling using a range of media
- Basic weaving and plaiting
- Experiment with papers and fibres
- Needle and thread
- Appreciate different art works, meet artists
- Communicate ideas about other artworks
- Role of audiences of various art forms
- Sing, rhyme and move to music
- Recognize sounds of more instruments
- Same and different tones
- Copy simple rhythms
- Appreciate different styles of music
- Harmony and dissonance
- Imaginative play
- Use movement and voice in drama
- Appreciates dramatic works
- Appreciate various forms of dance
- Self-expression in drama and dance

Health, Physical and Personal Development
- Our water supply, sewage disposal
- Care of different parts of the body
- Nutrition and diet
- Diseases, germ-bearing insects and pests
- Community health resources
- First aid
- Bicycle and water safety
- Preparing for puberty
- Human reproduction
- Substance abuse
- Further ball handling skills – catching fast flying balls etc
- Balance beam
- Basic tumbling routines – gymnastics
- Individual sport – swimming, shot put
- Group sport – relay races, soccer
- Make decisions as an individual and as group member
- Make positive contribution as group member
- Solve problems using a variety of strategies
English
- Reading silently and skimming, critical reading skills
- Introduction to mythology, classical literature
- Lyric, narrative, dramatic poetry
- Listening skills and non-verbal communication
- Give set of clear directions
- Extending dictionary skills, vocabulary building
- Word play: homonyms, synonyms, antonyms
- Using roots, prefixes, and suffixes
- Spelling
- Concepts of noun, pronoun, verb, adjective, adverb
- Sentence structure, diagramming sentences
- Cursive handwriting
- Types of writing: narration, description, exposition, persuasion, writing outlines, letters, factual matter (reports, newspaper articles), verse (limericks, ballads), creative prose
- Simple note taking
- Bibliography building
- Organization of a book
- Using reference books and indexes
- Using on-line information services, CD-ROMs

Science & Technology
- Gardening
- Cooking
- Designing and making
- Preparation of raw materials for human use
- Ecology and the environment
- Characteristics of living things – adaption and extinction
- Human impact on the environment
- Weather measurement and patterns
- Ancient Earth, Gondwana land
- Oceans
- Properties of light
- Conservation
- Scientific theory
- Inventions and discoveries

Creative Arts
- Drawing, painting, printing, modelling using a range of media
- Experiment with papers and fibres
- Appreciate different art works, meet artists
- Communicate ideas about artworks
- Role of audiences of various art forms
- Sing, rhyme and move to music
- Create and appreciate different styles of music
- Use movement and voice in drama
- Appreciates dramatic works
- Appreciate various forms of dance
- Self-expression in drama and dance

History, Geography

Society and Environment
- Global and regional studies, countries, cultures
- Past civilisations
- Relationships among nations: customs, traditions, beliefs, political, economic systems
- United Nations
- Milestones in human achievement
- Transportation and communication
- World trade
- Citizenship and social responsibility
- World geography
- Map and globe skills
- Current affairs
- Involvement in public projects e.g. charities, politics
- Indigenous Australians

Mathematics
- Exponents
- Operation of powers
- Set of the integers
- Factoring
- Fundamental operations with fractions, and decimals
- Fundamental operations with compound denominate numbers
- Multiplying and dividing common fractions and mixed numbers
- Relationship between common and decimal fractions
- Problems in percent
- Properties, identification, and construction of geometric figures
- Identification and measurement of angles
- Concepts of similarity, congruence, and symmetry
- Scale drawings
- Customary and metric measurement
- Problem analysis
- Interpreting graphs
- Concepts of averaging and sampling
- Use of calculators and computers

Health, Physical and Personal Development
- Health maintenance, exercise and fitness
- Our food supply
- Cure and prevention of common diseases
- Accident prevention
- Safety and basic first aid
- The health professions
- Understanding emotions, coping with stress
- Preparing for puberty, human reproduction
- Substance abuse
- Improve communication skills
- Make informed decisions and accept consequences
- Co-operative contribution to range of group efforts
- Individual sport
- Group sport
- Safe practices in various situations and environments
7th Grade

**English**
- Improving reading and writing skills across all genres
- Literary terms
- Can form a thorough, logical argument for or against an issue of personal relevance
- Holds opinions which they can verbally defend
- Listening skills
- Parts of speech
- Person, number, gender of nouns and pronouns
- Punctuation of conversation
- Clauses and phrases, compound sentences
- Writing descriptions, reports, journals, and letters
- Note taking and outlining
- Extending reference skills: atlases, directories, encyclopedias, periodicals, on-line information services, CD-ROMs, internet
- Library organization

**Science & Technology**
- Making and designing more complex items, planning and management strategies
- Participation in community competitions
- Particle nature of matter
- Chemical reactions
- Cells
- Classifying living things
- Electricity
- Light and sound
- Laws of motion
- Earth’s structure
- The Solar system
- Scientific method
- Laboratory techniques and safety

**Health, Physical and Personal Development**
- Good posture
- Dental health
- Lifestyle diseases and risk factors
- Exercise and fitness
- Effects of stimulants and narcotics
- Circulation and respiration
- Germ theory
- Sexually transmitted diseases
- Family life
- Peer groups and pressures
- Substance abuse
- Toxins and antitoxins
- Improve communication skills
- Make informed decisions and accept consequences
- Co-operative contribution to range of group efforts
- Team sports – basketball, football
- Individual sports – tennis, golf, skiing
- Safe practices in various situations and environments

**History, Geography**

**Society and Environment**
- Archaeology of early civilizations and societies
- A European and a Pacific country study
- Art, literature and popular culture
- Civil rights, crime, law, terrorism
- Economic and military alliances, organisations and associations, war and peace
- Heritage and environmental issues
- History and philosophy of science
- Ideologies, belief systems and philosophies
- Imperialism, colonialism and independence
- Intelligence and security organisations
- International organisations and peace-keeping
- Leadership, politics and political institutions
- Living and working conditions
- Medicine, health and hygiene
- Racism, genocide, slavery, gender relations
- Revolution and evolution
- Sport, music and entertainment
- Technology, economic development and industrialisation, trade and commerce
- Transport and communication
- Urban and industrial archaeology
- Current affairs
- Involvement in public projects e.g. charities, politics
- Indigenous Australians

**Creative Arts**
- Creative Arts—drawing, painting, modelling, printing using a range of media
- Experiment with papers and fibres
- Appreciate different art works, meet artists
- Communicate ideas about artworks
- Role of audiences of various art forms
- Perform for a variety of audiences—song, dance, drama, poetry, humour, speeches, reports, etc

**Mathematics**
- Prime and composite numbers
- Square root
- Order of operations
- Absolute value
- Inequalities
- Numeration
- Properties of nonnegative integers
- Rational numbers and fractions
- Ratio, proportion, percent
- Finite, infinite, and empty sets
- Basic geometry concepts and terms
- Development and use of formulas
- Perimeter, circumference, area
- Metric and customary measurement
- Reading and constructing graphs
- Measures of central tendency: mean, mode, median, range
- Elementary business mathematics
- Use of calculators and computers
English
- Independent reading
- Literal, inferential, and evaluative reading skills
- Literary terms
- Non-fiction
- Listening and speech activities
- Advanced dictionary work, extended vocabulary
- Figures of speech
- Spelling
- Infinitive, participle, gerund, predicate nominative, predicate adjective, direct and indirect object
- Kinds of sentences and their parts
- Functions of sentence elements
- Report-writing skills
- Improving skills in using basic reference sources
- Inductive and deductive reasoning

Mathematics
- Maintaining skills in fundamental operations
- Factoring and products
- Sets and simple sentences
- Numeration systems
- Using fractions and decimals
- Ratio, proportion, and percent
- Equalities and inequalities
- Simple formulas and equations
- Graphing an equation
- Powers and roots of rational numbers
- Polynomials
- Metric and non-metric geometry
- Pythagorean Theorem
- Scale drawing
- Right-triangle trigonometry
- Customary and metric measurement
- Permutations
- Probability statistics
- Statistical terms
- Mathematics of insurance, banking, and taxes

Creative Arts
- Creative Arts—drawing, painting, modelling, printing using a range of media
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- Communicate ideas about artworks
- Role of audiences of various art forms
- Perform for a variety of audiences—song, dance, drama, poetry, humour, speeches, reports, etc

History, Geography

Society and Environment
- Archaeology of ancient civilizations and societies
- A Central American and a Middle Eastern Art, literature and popular culture
- Civil rights, crime, law, terrorism
- Economic and military alliances, organisations and associations, war and peace
- Heritage and environmental issues
- History and philosophy of science
- Ideologies, belief systems and philosophies
- Imperialism, colonialism and independence
- Intelligence and security organisations
- International organisations and peace-keeping
- Leadership, politics and political institutions
- Living and working conditions
- Medicine, health and hygiene
- Racism, genocide, slavery, gender relations
- Revolution and evolution
- Sport, music and entertainment
- Technology, economic development and industrialisation, trade and commerce
- Transport and communication
- Urban and industrial archaeology
- Current affairs
- Involvement in public projects e.g. charities, politics
- Indigenous Australians

Science & Technology
- Designing and making, using tools safely, working with others
- Participation in community projects
- Scientific method, investigations, experiments
- Classification of plants and animals
- Properties of solids, liquids and gasses
- Solar system
- Atoms and molecules
- Elements, compounds and chemical reactions
- Electricity – charge, current and electric circuits
- Heat and temperature
- Forces in liquids and gases

Health, Physical and Personal Development
- The body’s utilization of food
- Types and functions of foods
- Environmental hazards
- Community sanitation and health
- Accident prevention, safety, and first aid
- Mental hygiene
- Antibiotics
- Immunization
- Substance abuse
English
- Evaluating material for accuracy
- Analysing propaganda
- Advertising
- Drama and film
- Analysing poetry, dramatic poetry, poetry anthologies, writing and reading own poems
- Analysing different literature genres
- Structure of a play
- Parable and allegory
- Listening skills, effective discussion techniques and questioning skills
- Preparing a speech, public speaking and debate
- The unabridged dictionary
- Vocabulary, foreign words used in English
- Grammar
- Fundamentals of composition
- Report writing
- Extended reference skills
- Special indexes

Health, Physical and Personal Development
- Health care services
- Adolescence and change
- Managing stress
- Goal setting
- Chemotherapy
- Genetic disorders
- First Aid Course e.g. St Johns Ambulance
- Leadership and work skills
- Portfolios

Science & Technology
- Designing and making, technical skills, safe working skills, collaborating with others
- Participation in community projects
- Consumer science
- Energy and matter
- How plants work
- How animals work, animal behaviour
- Health science, human behaviour
- Light and sound
- Earth dynamics; plate tectonics, volcanic activity
- Geology
- Satellites and space probes

Creative Arts
- Creative Arts—drawing, painting, modelling, printing using a range of media
- Collaborates with others to produce artworks
- Communicate ideas about artworks
- Experiment with papers and fibres
- Appreciate different art works, meet artists
- Communicate ideas about artworks
- Role of audiences of various art forms
- Perform for a variety of audiences—song, dance, drama, poetry, humour, speeches, reports, etc
- Participate in exhibitions

History, Geography

Society and Environment
- European exploration of the globe, migration and patterns of settlement and reasons
- A South American and African country study
- Art, literature and popular culture
- Civil rights, crime, law, terrorism
- Economic and military alliances, organisations and associations, war and peace
- Heritage and environmental issues
- History and philosophy of science
- Ideologies, belief systems and philosophies
- Imperialism, colonialism and independence
- Intelligence and security organisations
- International organisations and peace-keeping
- Leadership, politics and political institutions
- Living and working conditions
- Medicine, health and hygiene
- Racism, genocide, slavery, gender relations
- Revolution and evolution
- Sport, music and entertainment
- Technology, economic development and industrialisation, trade and commerce
- Transport and communication
- Urban and industrial archaeology
- Current affairs
- Involvement in community projects
- Indigenous Australians

Mathematics

General mathematics
- Ratio and proportion
- Basic concepts of statistics
- Mathematical vocabulary
- Direct and indirect measurement
- Banks and banking
- Investment
- Budgeting
- Insurance
- Taxation
- Graphs and tables
- Informal geometry
- Elementary algebra
- Customary and metric measurement

Algebra 1
- Absolute value
- Sets and their relationships
- Properties of polynomial forms
- Equations
- Signed numbers
- Fundamental operations
- Equations of the first degree
- Ratio, proportion, variation
- Relations and functions
- Special products and factoring
- Fractions and fractional equations
- Square roots
- Radicals
- Quadratic equations
- Elements of probability
10th Grade

English

- Australian literature, folklore and ballads
- Regional customs, traditions, folkways, dialects, origin of languages, alphabet
- Literary interpretation and critique
- Techniques of writing: poetry, short story, reports, essay, journalistic
- Poetry: all genres, past and present
- Drama, in-depth study of a play
- Distinguishing between fact and opinion
- Persuasion and argumentation
- Listening skills, public speaking and debate
- Extending dictionary skills, vocabulary and etymology
- Grammar
- Constructing footnotes

Mathematics

Geometry

- Origins and uses of geometry
- Terms, postulates, theorems
- Sets
- Nature of proof
- Inductive and deductive reasoning
- Ratio and proportion
- Algebra in geometry
- Angle relationships
- Parallel and perpendicular lines
- Congruent triangles
- Right triangles
- Pythagorean Theorem
- Circles
- Polygons
- Relationships between circles and polygons
- Mensuration theory
- Measurement of geometric figures
- Simple constructions
- Loci
- Transformational geometry
- Introduction of symbolic logic
- Coordinate geometry
- Trigonometric functions of angles greater than 90 degrees
- Special angle relationships
- Problem solving with geometry

History, Geography

Society and Environment

- Sustainable agriculture
- Globalization, multiculturalism and migration
- Conflict: wars, the cold war, terrorism, guerillas
- Egalitarianism
- Our legal system
- Career and work, managing businesses
- A North American and an Asian country study
- Art, literature and popular culture
- Civil rights, crime, law, terrorism
- Economic and military alliances, organisations and associations, war and peace
- Heritage and environmental issues
- History and philosophy of science
- Ideologies, belief systems and philosophies
- Imperialism, colonialism and independence
- Intelligence and security organisations
- International organisations and peace-keeping
- Leadership, politics and political institutions
- Living and working conditions
- Medicine, health and hygiene
- Racism, genocide, slavery, gender relations
- Revolution and evolution
- Sport, music and entertainment
- Technology, economic development and industrialisation, trade and commerce
- Transport and communication
- Urban and industrial archaeology
- Current affairs
- Involvement in charities
- Political involvement, citizenship

Creative Arts

- Creative Arts—drawing, painting, modelling, printing using a range of media
- Collaborates with others to produce artworks
- Communicate ideas about artworks
- Appreciate different art works, meet artists
- Communicate ideas about artworks
- Role of audiences of various art forms
- Perform for a variety of audiences—song, dance, drama, poetry, humour, speeches, reports, etc and participate in exhibitions
11th Grade

English
- Russian literature
- Analysis of plays
- Vocabulary of poetry
- Critical and evaluative reading
- Propaganda techniques
- Mass communication
- Advertising
- Music and painting
- Architecture and sculpture
- Listening skills
- Vocabulary development
- Grammar
- Story writing
- Editorial writing
- Journalistic writing
- Writing term papers
- Proofreading symbols
- Use of reference aids, both print and electronic

Health, Physical and Personal Development
- Health and physical activity
- Nutrition and health
- Why people use drugs
- Unhealthy relationships
- Promoting health in society
- Competitive performance – dance, gym
- Fitness choices
- Outdoor recreation

History, Geography
Society and Environment
- Australia at War
- The Great Depression
- The Cold War and the nuclear era
- Civil rights
- Delinquency and crime
- Psychology, mental health issues
- Sustainable urbanization
- Education systems
- Role of women in today’s society
- Current affairs
- Involvement in community projects

Creative Arts
- Creative Arts—drawing, painting, modelling, printing using a range of media
- Collaborates with others to produce artworks
- Communicate ideas about artworks
- Appreciate different art works, meet artists
- Communicate ideas about artworks
- Role of audiences of various art forms
- Perform for a variety of audiences—song, dance, drama, poetry, humour, speeches, reports, etc
- Participate in exhibitions

Mathematics
Algebra II
- Relations and functions
- Square roots, surds, radicals
- Rational roots
- Linear equations and analytic geometry
- Quadratic equations
- Binomial theorem
- Imaginary numbers
- Exponents and radicals
- Logarithms
- Progressions
- Higher-degree equations
- Vectors
- Determinants
- Permutations, combinations, and simple probability
- Estimation and approximation

Trigonometry
- Solutions of right triangles
- Use of table and interpolation
- Measurement of angles
- Properties of trigonometric functions
- Complex numbers and vectors
- Concept of a limit
- Graphs of functions
- Solutions of oblique triangles
- Logarithms
- Identities and equations
- General triangle solutions

Science & Technology
- Designing and making: major project
- Matter and its behaviour
- Carbon and its compounds
- Formulas and chemical equations
- Acids, bases, salts
- Atomic theory
- Periodic law
- Water and solutions
- Chemical bonding
- Molecular theory
- Equilibrium and kinetics
- Spontaneous reactions
- Titrations
- Ionization and ionic solutions
- Colloids, suspensoids, and emulsoids
- Oxidation-reduction
- Non-metals
- Metals and alloys
- Electrochemistry
- Energy: forms, chemical changes, and measurement
- Nuclear reactions and radioactivity
**English**
- English literature, Shakespeare
- Literary, social, and political heritage of England
- Literature of the 1900’s
- World literature
- Cross-cultural literature
- The theatre
- Nature of tragedy and comedy
- Techniques of acting
- Film as an art form
- Critical and evaluative reading Current periodical literature
- Mass communication
- Comparative study of mass media
- Parliamentary procedures
- Writing reports, social and business letters, reviews, précis, essays, term papers
- Bibliography development

**Science & Technology**
- Building skills, work place safety
- Physics
- Electricity and magnetism
- Photoelectric effect
- Heat
- Light and optics
- Sound and acoustics
- Wave motion
- Quantum theory
- Relativity
- Force
- Mechanics
- Space, time, and motion
- Work, energy, and power
- Electronics
- Nuclear energy, nuclear physics
- Solid-state physics

**History, Geography**

**Society and Environment**
- Agriculture
- Urbanization
- Conservation
- Business and industry
- Australian politics, comparative governments, international relations, foreign policy
- Propaganda and public opinion
- Comparative economic systems
- Consumer education
- Crime and delinquency
- Labor-management relations
- Economic concepts and theories
- Taxation and finance
- Distribution, exchange of goods and services
- Public education
- Women’s role in today’s society
- Family economics and management
- Current affairs
- Involvement in community projects

**Mathematics**

**Calculus**
- Derivative of a function
- Logarithmic and trigonometric functions
- Indeterminate terms
- Computation of derivatives
- Rate of a change of quantity
- Maxima and minima
- Integrals
- Length of curves
- Volume and surface areas
- Computer analysis of graphs

**Probability and Statistics**
- Tabular data
- Graphs
- Measures of central tendency
- Quartiles and percentiles
- Measures of dispersion
- Simple correlation
- Statistical inference
- Permutations
- Combinations
- Binomial theorem

**Advanced Algebra**
- Sets of numbers
- Binomial theorem
- Progressions
- Complex numbers
- Theory of equations
- Permutations
- Functions and their graphs
- Combinations
- Probability
- Determinants
- Inequalities
- Matrix algebra
- Mathematical inductions
- The derivative

**Health, Physical and Personal Development**
- Australian health issues
- Health care facilities
- Training for performance
- Aerobic training
- Psychology and performance
- Nutrition and performance
- Skills and performance
- Sport in Australian society
- Sports medicine
- Equity and health
- First aid course e.g. Red Cross

**Creative Arts**
- Major Art Project—planning, construction, exhibit or perform, review