



HP, Microsoft and Apple have one thing in common – they all started in a garage. If you are in Year 6 and interested in computers, check out the Computer Science course.

# Round 1 Course Booklet

## For Year 5 & 6 PEAC Students

### 2019

# INTRODUCTION

This booklet contains information for Round 1 2019 PEAC courses. It also provides a course calendar and contact details.

## COURSE SELECTION

Details of all courses are found in this booklet and enrolment is made via the Course Preference System on the PEAC website. At least one course preference needs to be entered however it is recommended that students enter four preferences to increase their chance of being placed into a course. **Please do not select courses previously completed at PEAC.**

PEAC courses are self-funding and **course charges** range from a minimum of \$10 up to \$100. The base \$10 charge applies to all centre based courses for the provision of classroom consumables, photocopying and printing costs. Some courses may incur an additional charge to cover the use of an external venue, incursions/excursions, specialist teachers or specific course materials. Online courses do not incur a charge.

## ADDRESSES & CONTACT DETAILS

In the event of student absences or a specific course enquiry, please contact the PEAC course teacher. Their contact details will be provided on your course acceptance letter. For other enquiries contact your school's PEAC Coordinator.

**PEAC Administration**  
**Yuluma Primary School, 21 Ambrose St**  
**INNALOO WA 6018**

**Tel. 9204 2969**  
**Email: [admin@northmetropeac.wa.edu.au](mailto:admin@northmetropeac.wa.edu.au)**

Please visit our website for PEAC Centre Locations: [www.northmetropeac.wa.edu.au](http://www.northmetropeac.wa.edu.au)

## **ONLINE COURSES**

Online courses are provided as an option for Year 6 country PEAC students and for those who are unable to attend centre based courses.

Students should be aware that a good deal of self-discipline is required to complete an online course and that the activities will be as challenging as those done in the regular PEAC classroom. At the same time, many find the courses great fun and enjoy working with their online classmates.

Students need regular access to a reliable computer with the Internet and reasonably up to date programs in Word, Excel and PowerPoint. We encourage classroom teachers to utilise the online courses as part of their provision for their gifted students, by allocating at least an hour of class time per week for the students to work on their online course. This is flexible and can be negotiated between the classroom teacher and student.

The available online courses for this round are listed with the centre-based courses.

## COURSE TIMETABLE - ROUND 1 2019

Venue	Mon		Tue		Wed		Thu		Fri	
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
<b>Creaney</b>	ITP	ITP	World of Maths KM	Recreate KM						
	ITP	ITP								
<b>Governor Stirling</b>			Storycraft AS		ITP		ITP		Computer Science AS	
<b>Kinross</b>	ITP	ITP	ITP	War on Waste JC						
<b>Mt Claremont</b>	ITP	ITP	ITP	ITP	Fantasy Quest KB					Bling It On KB
	From Bean to Bar LC	Young Engineers LC	ITP	ITP	ITP		CSI PEAC LC	ITP		
<b>North Balga</b>			Robotics A & B CC		ITP					
<b>Weld Square</b>	ITP	ITP	CodeMaster DW	Thats Funny DW	ITP		Make Your Own Comic (Wk 6-10) DW			
<b>Yuluma</b>	ITP	ITP	Mindstretch VR	STEM Inc. VR	ITP		ITP	ITP	Mythbreakers VR	Blood & Guts VR
<b>AQWA</b>									AQWA Experts KM	
<b>Filmbites</b>							Green Screen (Wk 1- 5) DW			
<b>Scitech</b>									Lab Techs LC	
<b>Online</b>	Cosmos, Ocean Safari									

<b>Colour Code</b>	Year 5 Introduction to PEAC Course	Year 6 Course
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## PEAC 2019 ROUND 1 CALENDAR

	Monday	Tuesday	Wednesday	Thursday	Friday
<b>1</b>	25 Feb	26 Feb	27 Feb	28 Feb	1 Mar
<b>2</b>	4 Mar - Labour Day No PEAC	5 Mar	6 Mar	7 Mar	8 Mar
<b>3</b>	11 Mar	12 Mar	13 Mar	14 Mar	15 Mar
<b>4</b>	18 Mar	19 Mar	20 Mar	21 Mar	22 Mar
<b>5</b>	25 Mar	26 Mar	27 Mar	28 Mar	29 Mar
<b>6</b>	1 Apr	2 Apr	3 Apr	4 Apr	5 Apr
<b>7</b>	8 Apr	9 Apr	10 Apr	11 Apr	12 Apr
	SCHOOL HOLIDAYS				
<b>8</b>	29 Apr	30 Apr	1 May	2 May	3 May
<b>9</b>	6 May	7 May	8 May	9 May	10 May
<b>10</b>	13 May	14 May - NAPLAN No ITP	15 May- NAPLAN No ITP	16 May - NAPLAN No ITP	17 May - NAPLAN No ITP

Please see the PEAC calendar on our website for updates.  
[www.northmetropeac.wa.edu.au](http://www.northmetropeac.wa.edu.au)

# YEAR 5

## INTRODUCTION TO PEAC (ITP) COURSES ONLY

ITP provides an opportunity for all PEAC students to begin their journey and to learn and practise the concepts and skills to assist them in achieving success in future courses. With a focus on Critical and Creative Thinking and Personal and Social Capabilities, students will undertake a variety of collaborative and independent tasks. Reflection and the feedback process will be important components of the course. Students will be supported through the process and presentation of their first PEAC project based on an area of personal interest.

ITP is a half day course, which consists of nine sessions. Course cost: \$15.

Venue	Day	Start Time	Finish Time	First Session	Last Session	Course
Creaney PS	Mon	9:00 AM	11:15 AM	25-Feb	13-May	Monday AM Creaney PS ITP
Creaney PS	Mon	12:15 PM	2:30 PM	25-Feb	13-May	Monday PM Creaney PS ITP
Governor Stirling SHS	Wed	9:20 AM	11:35 AM	27-Feb	8-May	Wednesday AM Governor Stirling SHS ITP
Governor Stirling SHS	Thu	9:20 AM	11:35 AM	28-Feb	9-May	Thursday AM Governor Stirling SHS ITP
Kinross PS	Mon	9:00 AM	11:15 AM	25-Feb	13-May	Monday AM Kinross PS ITP
Kinross PS	Mon	12:15 PM	2:30 PM	25-Feb	13-May	Monday PM Kinross PS ITP
Kinross PS	Tue	9:00 AM	11:15 AM	26-Feb	7-May	Tuesday AM Kinross PS ITP

Venue	Day	Start Time	Finish Time	First Session	Last Session	Course
<b>Mt Claremont PS</b>	<b>Mon</b>	9:00 AM	11:15 AM	25-Feb	13-May	<b>Monday AM Mt Claremont PS ITP</b>
<b>Mt Claremont PS</b>	<b>Mon</b>	12:30 PM	2:45 PM	25-Feb	13-May	<b>Monday PM Mt Claremont PS ITP</b>
<b>Mt Claremont PS</b>	<b>Tue</b>	9:00 AM	11:15 AM	26-Feb	7-May	<b>Tuesday AM Mt Claremont PS ITP</b>
<b>Mt Claremont PS</b>	<b>Tue</b>	12:30 PM	2:45 PM	26-Feb	7-May	<b>Tuesday PM Mt Claremont PS ITP</b>
<b>Mt Claremont PS</b>	<b>Wed</b>	9:00 AM	11:15 AM	27-Feb	8-May	<b>Wednesday AM Mt Claremont PS ITP</b>
<b>Mt Claremont PS</b>	<b>Thu</b>	12:30 PM	2:45 PM	28-Feb	9-May	<b>Thursday PM Mt Claremont PS ITP</b>
<b>North Balga PS</b>	<b>Wed</b>	9:00 AM	11:15 AM	27-Feb	8-May	<b>Wednesday AM North Balga PS ITP</b>
<b>Weld Square PS</b>	<b>Mon</b>	9:00 AM	11:15 AM	25-Feb	13-May	<b>Monday AM Weld Square PS ITP</b>
<b>Weld Square PS</b>	<b>Mon</b>	12:30 PM	2:45 PM	25-Feb	13-May	<b>Monday PM Weld Square PS ITP</b>

Venue	Day	Start Time	Finish Time	First Session	Last Session	Course
Weld Square PS	Wed	9:00 AM	11:15 AM	27-Feb	8-May	Wednesday AM Weld Square PS ITP
Yuluma PS	Mon	9:00 AM	11:15 AM	25-Feb	13-May	Monday AM Yuluma PS ITP
Yuluma PS	Mon	12:15 PM	2:30 PM	25-Feb	13-May	Monday PM Yuluma PS ITP
Yuluma PS	Wed	9:00 AM	11:15 AM	27-Feb	8-May	Wednesday AM Yuluma PS ITP
Yuluma PS	Thu	9:00 AM	11:15 AM	28-Feb	9-May	Thursday AM Yuluma PS ITP
Yuluma PS	Thu	12:15 PM	2:30 PM	28-Feb	9-May	Thursday PM Yuluma PS ITP



# YEAR 6

## COURSES ONLY

*Please check the dates and locations carefully to ensure you can attend*

Venue	Day	Start Time	Finish Time	First Session	Last Session	Weeks	Teacher	Learning Area	Course	Course Content	Cost
<b>AQWA</b>	<b>Fri</b>	9:00 AM	11:00 AM	1-Mar	17-May	10	Kirsteen McCrory	Science	<b>AQWA Experts</b>	Become a marine scientist as you study at AQWA. You will learn about the weird and wonderful science of ocean animals and their environments: from experts, observation and personal research. This course involves the identification, classification and field research of marine creatures. You will keep an observational and reflective journal and keep records of your research as you prepare to become an expert yourself. The course culminates in a presentation of your findings to an audience, with you as the 'AQWA Expert'.	\$70
<b>Creaney PS</b>	<b>Tue</b>	9:00 AM	11:15 AM	26-Feb	14-May	10	Kirsteen McCrory	Mathematics	<b>World of Maths</b>	To infinity and beyond! Are you interested in exploring the world of maths while gaining a deeper understanding of how it all works? This course will take you on a journey of mathematical discovery where you can explore the hidden, and not so hidden, applications of mathematics in our world. For those who love maths...or don't love maths yet!	\$10
<b>Creaney PS</b>	<b>Tue</b>	12:15 PM	2:30 PM	26-Feb	14-May	10	Kirsteen McCrory	The Arts	<b>ReCreate</b>	In a world where we are encouraged to Reduce, Re-Use and Recycle...Why not RECREATE? Take this opportunity to explore possibilities for breathing new life into previously used materials and objects, then rise to the challenge of creating high quality new items of beauty and use.	\$10

Venue	Day	Start Time	Finish Time	First Session	Last Session	Weeks	Teacher	Learning Area	Course	Course Content	Cost
Filmbites	Thu	9:30 AM	2:30 PM	28-Feb	28-Mar	5	Donna Wilson	The Arts	Filmbites' Green Screen	In the Filmbites' Green Screen VFX course you will devise your own TV news items and learn how to light and shoot the scenes in Filmbites' very own green screen studio. Add in your own effects in the computer lab - think fire, shrinking, flying and explosions! You will then compile your group's news stories into an amazing TV broadcast. This course is five full days.	\$100
Governor Stirling SHS	Tue	9:20 AM	11:35 AM	26-Feb	14-May	10	Alan Slater	English	StoryCraft	Take your story writing to the next level. Explore the essential elements for crafting a compelling story. Develop your writing skills further in the entertaining and fast paced chain story task. Make your own masterpiece and bring it to life in a virtual 3D world using the power of MinecraftEdu.	\$10
Governor Stirling SHS	Fri	9:20 AM	11:35 AM	1-Mar	17-May	10	Alan Slater	Technologies	Computer Science	Develop your computing skills in ways you never thought of before in this fun, hands-on course. Challenge the class by creating your own interactive quiz game with sound and visual effects in PowerPoint. Use mathematical formulas to design puzzles in Excel. Explore the insides of a computer and take part in the group challenge to build a PC in the fastest time possible.	\$10
Kinross PS	Tue	12:15 PM	2:30 PM	26-Feb	14-May	10	Jane Caswell	Humanities and Social Sciences	War on Waste	How much waste do we produce? Where does it come from? What damage does it do? How can YOU help? This course will allow you to investigate all of this and more. Get creative with waste. Develop your leadership skills by designing and implementing an on-going community action project. Make a real difference to the world.	\$10

Venue	Day	Start Time	Finish Time	First Session	Last Session	Weeks	Teacher	Learning Area	Course	Course Content	Cost
<b>Mt Claremont PS</b>	<b>Mon</b>	9:00 AM	11:15 AM	25-Feb	13-May	9	Lorraine Chia	Humanities and Social Sciences	<b>From Bean to Bar</b>	Have you ever wondered why chocolate has been part of our lives for thousands of years? In this course we will unravel the mysteries and myths that surround this delicacy from Theobroma cacao. We will also explore the idea of 'Fair Trade' and how it helps to make the world a better place. You will work with a chocolatier to create new ideas for your own chocolate product and use your entrepreneurial skills to market your creation!	\$25
<b>Mt Claremont PS</b>	<b>Mon</b>	12:30 PM	2:45 PM	25-Feb	13-May	9	Lorraine Chia	Technologies	<b>Young Engineers</b>	Are you interested in a career as an engineer? Do you dream of planning, designing, constructing and critiquing amazing innovations? With guidance from Engineers Australia's "EngQuest" resources, you will engage in individual and team challenges designing, constructing and testing your own creations. The possibilities are endless!	\$25
<b>Mt Claremont PS</b>	<b>Wed</b>	9:00 AM	11:15 AM	27-Feb	15-May	10	Kate Brough	The Arts	<b>Fantasy Quest</b>	Embark on a journey to explore the most enduring literary genre of all time – fantasy fiction. If you love the magic, myths, maps, monsters and marvels encountered by characters such as Morrigan Crow, Percy Jackson, Bilbo Baggins and Harry Potter, this is the course for you. Prepare to have your imagination stimulated, creativity unleashed and writing talent nurtured. Devise a hero or heroine prepared to undertake a quest in an otherworldly realm of your own creation. Who will accompany your protagonist along the way? Who will prove to be their greatest nemesis? What terrible trials must they endure in order for good to triumph over evil? Their success or failure is in your hands. If you have always wanted to write your own novella and create accompanying art work, this course provides the perfect opportunity. Please note, this course is designed for enthusiastic writers to develop their literary skills.	\$35

Venue	Day	Start Time	Finish Time	First Session	Last Session	Weeks	Teacher	Learning Area	Course	Course Content	Cost
<b>Mt Claremont PS</b>	<b>Thu</b>	9:00 AM	11:15 AM	28-Feb	16-May	10	Lorraine Chia	Science	<b>CSI PEAC</b>	Enter the fascinating world of forensic science as we learn the skills and techniques used by detectives to identify victims and find the criminals. Study graphology, entomology, fingerprinting, chromatography, blood spatters and DNA analysis. Join us as we create our very own crime scene.	\$25
<b>Mt Claremont PS</b>	<b>Fri</b>	12:30 PM	2:45 PM	1-Mar	17-May	10	Kate Brough	Technologies	<b>Bling It On</b>	Adornments have been worn by people from different cultures throughout the ages. They may represent wealth, power, fashion, faith, politics, technical innovations or love. In this course, you will discuss issues surrounding the wearing of such items and research, design and create your own `bling`. Will you be inspired by the ancient Egyptians, flowers, insects, snowflakes or lolly wrappers? Will you opt for subtle trinkets or bold, statement pieces? The possibilities are endless. During two incursions you will be taught jewellery making techniques which will enable you to express your creative vision. This course also includes a visit to WA's premiere jewellery destination, Perth Mint. There you will witness a gold pour and view precious pink and yellow diamonds, luminescent South Sea pearls and highly prized Australian opals.	\$65
<b>North Balga PS</b>	<b>Tue</b>	9:00 AM	2:00 PM	26-Feb	26-Mar	5	Carol Callaghan	Technologies	<b>Robotics A</b>	Experiment for five full days with Lego robots, using Mindstorms to program them. Devise your own challenges and solve them by applying your newly acquired knowledge, as well as your creative problem solving expertise. There will be a special incursion from ECU Robotics (Firetech) on the last day from 9 am - 11 am. Advanced Programming will be central to this workshop. This course will also encourage you to undertake an in-depth investigation into how robots are used in today's society, and the technological opportunities offered by robots in the future.	\$50

Venue	Day	Start Time	Finish Time	First Session	Last Session	Weeks	Teacher	Learning Area	Course	Course Content	Cost
<b>North Balga PS</b>	<b>Tue</b>	9:00 AM	2:00 PM	2-Apr	14-May	5	Carol Callaghan	Technologies	<b>Robotics B</b>	Experiment for five full days with Lego robots, using Mindstorms to program them. Devise your own challenges and solve them by applying your newly acquired knowledge, as well as your creative problem solving expertise. There will be a special incursion from ECU Robotics (Firetech) on the last day from 9 am - 11 am. Advanced Programming will be central to this workshop. This course will also encourage you to undertake an in-depth investigation into how robots are used in today's society, and the technological opportunities offered by robots in the future.	\$50
<b>Scitech</b>	<b>Fri</b>	9:30 AM	11:30 AM	1-Mar	17-May	10	Lorraine Chia	Science	<b>Lab Techs</b>	Work like a real scientist in the CSIRO Laboratory at Scitech where you will conduct a range of experiments to discover the answers to a variety of interesting questions. Hone your observation skills, master new laboratory techniques, then record your results and draw valid conclusions. Become an expert at using the scientific process and conduct an investigation of your own choosing at home. Parents will need to transport their children to and from Scitech for the duration of the course.	\$65
<b>Weld Square PS</b>	<b>Tue</b>	9:00 AM	11:15 AM	26-Feb	14-May	10	Donna Wilson	Technologies	<b>CodeMaster</b>	In this course you will be supplied with your own Arduino compatible starter kit. You will plug the microcontroller board into your USB port, write your code and hit 'download' to control electronic lights, sensors and motors. The code is easy to learn and has huge capabilities. There are loads of ideas to trial and implement, so after learning the basics you can choose your own project. It's the ultimate link between coding and electronics!	\$50

Venue	Day	Start Time	Finish Time	First Session	Last Session	Weeks	Teacher	Learning Area	Course	Course Content	Cost
<b>Weld Square PS</b>	<b>Tue</b>	12:30 PM	2:45 PM	26-Feb	14-May	10	Donna Wilson	Humanities and Social Sciences	<b>That's Funny</b>	Are you ready to release a barrel of endorphins? If you have a sophisticated SOH then this is the course for you. We will examine many different aspects of humour, for example, theories of laughter, cultural differences and whether animals laugh? A comedian will show you how to write your own material and coach you to perform it to the best possible effect. Finally, do you think humour can make the world a better place?	\$50
<b>Weld Square PS</b>	<b>Thu</b>	9:00 AM	2:45 PM	4-Apr	16-May	5	Donna Wilson	The Arts	<b>Make Your Own Comic</b>	Cartoonist Jason Trevenen will lead you through many aspects of cartooning. (It is important not to miss the special incursion Week 2) You will develop the art of caricature, animation and special effects. Learn how shapes, planning, proportions and posing are all skills needed in creating a good illustration. Discover how to structure a great story and then use your skills to produce your very own comic. You will employ your cartooning skills to express your ideas in creative and humorous ways. This course is five full days.	\$85
<b>Yuluma PS</b>	<b>Tue</b>	9:00 AM	11:15 AM	26-Feb	14-May	10	Velu Ramasamy	Mathematics	<b>Mindstretch</b>	Come and explore the world of mathematical codes, brain twisters and awesome puzzles. Employ a variety of problem solving skills to break secret codes, solve brain twisters and real life problems. You will be exposed to mathematical strategies and MENSA type questions. Working independently and as a group, you will develop your 21st Century learning skills. Come and have fun in learning while stretching your mind.	\$20

Venue	Day	Start Time	Finish Time	First Session	Last Session	Weeks	Teacher	Learning Area	Course	Course Content	Cost
Yuluma PS	Tue	12:30 PM	2:45 PM	26-Feb	14-May	10	Velu Ramasamy	Science	STEM Inc.	What do a volcano, a rocket, a bridge, a robot and a marble run have in common? STEM! Come and experience STEM Inc., an integrated and interdisciplinary approach to understanding Science, Technology, Engineering and Mathematics. You will use digital and non-digital technology including Makey Makey, building sets and everyday materials to understand the world we live in. Immerse yourself in the process of identifying real-life problems, brainstorming solutions, designing and building prototypes, testing and evaluating your designs and sharing your findings.	\$25
Yuluma PS	Fri	9:00 AM	11:15 AM	1-Mar	17-May	10	Velu Ramasamy	Science	Mythbreakers	This course is based on the popular television series "Mythbusters". You will work in small groups to test various myths and learn about reliability and validity in data collection. Question, analyse and debate about various myths and beliefs of peoples around the world. Using scientific methods, you will test and solve these 'myths'.	\$20
Yuluma PS	Fri	12:30 PM	2:45 PM	1-Mar	17-May	10	Velu Ramasamy	Science	Blood & Guts	Calling all budding doctors. Come on a journey into the world of the human body. You will be dissecting real hearts, lungs and more. You will look deeply into how your body works, analyse the main organs and investigate some of the world's worst diseases. You will learn first aid from an Emergency Department nurse and apply this knowledge to a critical situation. Definitely not a course for the squeamish!	\$35

Venue	Day	Start Time	Finish Time	First Session	Last Session	Weeks	Teacher	Learning Area	Course	Course Content	Cost
Online	n/a			25-Feb	17-May	10	Alan Slater	Science	Online - Cosmos	The cosmos is all that is or ever was or ever will be. We're about to begin a journey that will take us from the infinitesimal to the infinite, from the dawn of time to the distant future. We'll explore galaxies, suns and worlds, surf the gravity waves of space-time, and explore the planets of distant stars. To make this journey, we'll need your imagination.	\$0
Online	n/a			25-Feb	17-May	10	Sarah Mirco	Humanities and Social Sciences	Online - Ocean Safari	Put on your SCUBA gear and join us as the PEAC Marine Research Cruiser departs on this amazing ocean expedition. Dive in and explore the varied ecosystems of the blue planet, from the alien-like creatures lurking in the deep to the beauty of the coral reefs. Investigate the rich biodiversity of our oceans and explore ways to protect them.	\$0

To nominate for all courses, please proceed to the PEAC Course Preference System and follow the links:

[www.northmetropeac.wa.edu.au](http://www.northmetropeac.wa.edu.au)