Contents

2 Contacts
3 About SchoolTech
4 Education and Training Streams
5 Subjects
5 Workwear/Uniform
5 Obtaining a QCE
6 Location of Training
6 Timetables
6 Important Dates
7 Fees
7 Entry Requirements
7 Support
8–14 Subject Information Sheets
15 Expression of Interest Form

SchoolTech Contacts

Carmel livonen
Head of Department – SchoolTech
Woree State High School
07 4042 2490
ciivo1@eq.edu.au

Mary Ansell
Administration Officer – SchoolTech
Woree State High School
07 4042 2590
manse5@eq.edu.au
ABOUT SchoolTech

SchoolTech is an innovative, award winning initiative between TAFE Queensland North (Cairns campus), Woree State High School and Skill360 Australia.

The program allows students to complete their senior years of schooling, obtain a Queensland Certificate of Education (QCE) and start a career in a chosen vocational area.

Students are given the opportunity to gain ‘real world’ skills by participating in work placement and working with industry standard training facilities, equipping them to take their place in the modern day workforce.

SchoolTech aims to provide students with the skills needed to gain a head start in the workforce. This is achieved by placing a strong emphasis on work placement and giving students every opportunity to secure an apprenticeship or traineeship while completing senior schooling.

Commencing a school-based apprenticeship or traineeship under SchoolTech allows school subjects, such as Maths and English, to be timetabled around work placement and training. This ensures a smoother transition from school to work.

The dual outcomes of the SchoolTech program means students will be enrolled through both TAFE Queensland North and Woree State High School.

SchoolTech is located at the TAFE Queensland North (Cairns campus), Eureka Street, Manunda.

Choose to study:

- Construction & Furniture Making
- Engineering & Automotive
- Electrical & Construction
- Hairdressing & Hospitality
- Sport & Recreation
- Marine & Engineering
EDUCATION AND TRAINING STREAMS
Dual Qualifications on offer

SchoolTech Stream

Construction & Furniture Making

1. Certificate I in Construction: Gain entry level skills to use construction tools and equipment, read and interpret plans and specifications, occupational health and safety.

2. Certificate II in Furniture Making: Learn how to create furniture pieces from wood. Gain the skills to use hand and power tools, assemble furnishing components, select and apply hardware. Apprenticeship pathway program.

On successful completion students will earn six (6) points towards their QCE.

Engineering (Metal Fabrication) & Automotive (Vocational Preparation)


2. Certificate II in Automotive (Vocational Preparation): Learn how to perform a range of servicing operations on light vehicles and heavy vehicles within a mechanical service or repair business. Apprenticeship pathway program.

On successful completion students will earn eight (8) points towards their QCE.

Electrical & Construction


2. Certificate I in Construction: Gain entry level skills to use construction tools and equipment, read and interpret plans and specifications, occupational health and safety. (Students must study Maths A to do this course). Apprenticeship pathway program.

On successful completion students will earn six (6) points towards their QCE.

Hairdressing & Hospitality

1. Certificate II in Hairdressing: Learn basic hairdressing skills including braiding, hair colour application, customer interaction and service, safety procedures and provide assistance to colleagues in a salon.

2. Certificate II in Hospitality: Gain skills in how to organise and prepare food. Learn the basic methods of cookery and hygiene and follow health, safety and security procedures. Apprenticeship/traineeship pathway program.

On successful completion students will earn eight (8) points towards their QCE.

SportTech Stream

1. Certificate II in Sport and Recreation: Gain a variety of skills to assist with the organisation and running of sport and recreation programs as well as grounds and facilities maintenance.

2. Certificate III in Sport and Recreation: Further develop your skills to support the operation of facilities such as fitness centres, outdoor sporting grounds or complexes, aquatic centres and community recreation centres.

On successful completion students will earn eight (8) points towards their QCE.

MarineTech Stream

1. Certificate II in Maritime Operations (Coxswain Grade 1 Near Coastal)*: Gain skills in how to operate and maintain marine engine systems, plan and navigate a passage and operate inboard and outboard motors.

2. Certificate II in Engineering Pathways*: Gain skills in servicing and repairing marine outboard motors.

On successful completion students will earn eight (8) points towards their QCE.

*This course will run subject to funding.

Applicants will be required to attend an interview and courses will only proceed if there are sufficient participants.
Subjects

The SchoolTech program is delivered over two years, commencing in January. It provides support for students to complete the necessary subjects to obtain their QCE, gain vocational experience, knowledge and skills, and obtain a school-based apprenticeship or traineeship. Students will enrol in six (6) CORE subjects.

These subjects are:

- Mathematics (Prevocational Maths / Mathematics A)
- English (English Communication)
- Social and Community Studies
- Recreation
- Certificate I in Business – BSB10115
- Trade or Vocational Area

Staff from TAFE Queensland North will deliver trade and vocational programs and Education Queensland staff will deliver Authority registered subjects and the Certificate I in Business.

Workwear/Uniform

**Trade uniform**
(Construction, Engineering and Electrical)
Long sleeve work shirts, long navy pants and steel capped boots. Students will need to purchase this prior to trade classes and work placement.

**Hairdressing uniform**
Appropriate workwear for hairdressing (see Trade Teacher).

**MarineTech uniform**
Appropriate workwear for marine (see Trade Teacher).

**SportsTech uniform**
Appropriate workwear for sport and recreation (see Trade Teacher).

**For all other classes**
Students are required to wear appropriate clothing and covered shoes whilst at TAFE. This includes shorts or skirts to a reasonable length, t-shirt or polo shirt. (No singlets or short skirts/shorts.)

Obtaining a QCE

A Queensland Certificate of Education (QCE) is a school-based qualification awarded to young people who have achieved a set standard in six subject areas and have met literacy and numeracy requirements. The QCE replaces the Senior Certificate.

The QCE is made up of a system of points called Credits. Students must have at least 20 Credits to be awarded a QCE. School subjects, including Prevocational Mathematics or Mathematics A, English Communication and Social and Community Studies are each awarded 4 credits. Trade or vocational streams are awarded points according to their level, i.e. Certificate II level qualifications are awarded 4 credits, and Certificate III level qualifications are awarded a maximum of 6 credits.

Students participating in SchoolTech may obtain their credits as shown below.

<table>
<thead>
<tr>
<th>Student A</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Prevocational Maths</td>
<td>4 credits</td>
</tr>
<tr>
<td>English Communication</td>
<td>4 credits</td>
</tr>
<tr>
<td>Social and Community Studies</td>
<td>4 credits</td>
</tr>
<tr>
<td>Recreation</td>
<td>4 credits</td>
</tr>
<tr>
<td>Trade Qualification</td>
<td>6/8 credits</td>
</tr>
<tr>
<td>Certificate I Business – BSB10115</td>
<td>2 credits</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>24/26 credits</strong></td>
</tr>
</tbody>
</table>
**Location of Training**

The program will be delivered at TAFE Queensland North, Cairns campus. (Corner of Gatto, Newton, Eureka and Wilkinson Streets, Manunda).

MarineTech training will be delivered at the Great Barrier Reef International Marine College (GBRIMC), 55-61 Tingira Street, Portsmith, Cairns.

Class hours vary depending on individual timetables. The day may start at 8.30am or 9.00am and finish at 3.00pm. MarineTech students will attend the GBRIMC on their trade day.

Teachers are located at TAFE Queensland North, Cairns campus. All students are able to access TAFE facilities and services e.g. library, canteen and after-hours access to the Electronic Learning Centre.

Other than work placement, students may be required to participate in field trips or off-site visits.

Woree State High School provides access to a Guidance Officer, School Nurse, Youth Worker and School Based Police Officer.

**Important Dates**

Applications for SchoolTech, SportTech and MarineTech are open from now until November. Interviews will be conducted between September and early November with notification provided to successful applicants by the end of the school year.

SchoolTech, SportTech and MarineTech will commence in Semester One as per Education Queensland commencement dates. Applicants are encouraged to complete and submit an Expression of Interest Form as soon as possible so processing and interviews can be arranged (see page 15).

**Timetables**

- Semester 1, students attend TAFE four days per week with one day allocated as work experience placement.

- Semester 2, 3 and 4 students will attend TAFE three days per week with two days allocated as work experience placement (except Marine, one day work experience placement only).

- The first week of study will be considered orientation week and work experience placement will commence in week 8, one day per week.

While at TAFE, students will be allocated breaks for morning tea and lunch.

Core school subjects will be delivered over approximately three (3) hours each per week. Trade or Vocational Training components (theory and practical) will be delivered over approximately six (6) hours per week.

School subjects are timetabled around work experience placement so as to not conflict with class time. This ensures a smooth transition from school to work.
### Fees

Fees have been set at the following approximate costs.

**Construction, Engineering/Automotive, Electrical**
- Year 11 TAFE payment: $500
- Year 11 Woree SHS payment: $370 (RHS $300 – REC $70)
- Year 12 TAFE payment: $500
- Year 12 Woree SHS payment: $400 (RHS $300 – REC $100)

**Hairdressing, Hospitality**
- Year 11 TAFE payment: $1,910
- Year 11 Woree SHS payment: $370 (RHS $300 – REC $70)
- Year 12 TAFE payment: $0
- Year 12 Woree SHS payment: $400 (RHS $300 – REC $100)

**MarineTech**
- Year 11 TAFE payment: $500
- Year 11 Woree SHS payment: $370 (RHS $300 – REC $70)
- Year 12 TAFE payment: $500
- Year 12 Woree SHS payment: $400 (RHS $300 – REC $100)

**SportsTech**
- Year 11 TAFE payment: $600
- Year 11 Woree SHS payment: $370 (RHS $300 – REC $70)
- Year 12 TAFE payment: $600
- Year 12 Woree SHS payment: $400 (RHS $300 – REC $100)

### Entry Requirements

Applicants must have completed Year 10, or equivalent, and be at least 15 years of age. Applicants need to complete an Expression of Interest form, attend an interview and demonstrate a minimum standard in literacy and numeracy prior to the commencement of the program. Successful applicants will be notified towards the end of the year. It will be considered an advantage if applicants have already completed some work experience in their chosen vocational area.

Students will be required to wear appropriate trade uniforms.

Students and parents/guardians will be expected to sign and adhere to the SchoolTech Responsible Behaviour Plan and to the rules governing student behaviour. Rolls will be marked and attendance is viewed as compulsory and an important part of the program.

16 students will form a class in each of the trade and vocational areas. As a result, applicants are encouraged to indicate two preferences on their Expression of Interest form.

### Support

As part of the Social and Community Studies subject a mentoring/pastoral care program will operate. This will be conducted by school (Education Queensland) teachers and will allow a smooth transition for students moving from school to an adult learning environment.

Woree SHS also provides access to a Guidance Officer, School Based Police Officer, School Nurse and Youth Counsellor.

In addition to this support, TAFE Queensland North has a comprehensive Student Support Services unit with a range of support systems. Workplace Health and Safety is a key priority of TAFE Queensland North and Workplace Health and Safety officers are available across the Cairns Campus, in all faculties and units.

It is envisaged that students in the program will have ‘home rooms’ for core subjects and these rooms will act as a base for classes and mentoring sessions.
PRE-VOCATIONAL MATHS

Pre-vocational Maths is for students wishing to enter the workforce through traineeships, apprenticeships, TAFE or direct entry.

Our course has been developed in consultation with TAFE teachers and tutors to cover the key areas required in the various trades and vocations. Topics covered should support and compliment the specialised maths taught during trade classes.

The CORE topics studied are:

- Numeracy
- Use of Calculator
- Working with Formula
- Geometry e.g. Pythagoras
- Scale Drawing
- Measurement – Unit, Area & Volume
- Costings
- Ratio & Proportion

In addition students will study topics related to everyday life:

- Making Money and Industrial Award
- Time, Location and Travel
- The Mathematics of Buying, Owning and Driving a Car

Knowledge and procedures are taught using real-life contexts. Lessons include hands-on activities and practical applications that relate maths to the real world.

Type of Assessment

Students undertake extended assignment work that is completed during class time. Students have to complete a series of real-life tasks and develop their work related maths skills.

As assessment is continuous, a high level of attendance is needed for success in this course.
SENIOR MATHEMATICS A

Maths A is for those students who wish to continue their studies in Mathematics to the end of Year 12 for employment purposes or for those seeking to undertake tertiary study with no major emphasis on Mathematics. This course is spiral in nature with new topics building on knowledge gained in previous semesters.

Topics studied are:
- Managing Money
- Applied Geometry
- Statistics and Probability
- Land Management
- Networks and Queuing

Type of Assessment

Each term the students will complete two exams.

Paper A is the Knowledge and Procedures Exam which includes rules, definitions and procedures learnt in class.

Paper B is the Modelling and Problem Solving Exam which requires students to manipulate learned procedures and apply them to unfamiliar situations.

Both exams also carry a third criterion of Communication and Justification. This criteria is marked according to the student’s correct use of mathematical terms and symbols, organisation and presentation of data and justification of procedures used to solve problems.

Each semester, students will need to complete assignment work. All assignments will include the above three criteria.

All three criteria carry equal weighting in determining a student’s overall result.

*This class is subject to sufficient numbers. Delivery through Distance Education may be considered.
In English Communication Studies (Strand C) we aim to understand and use communication so that we can take part in and contribute to work, community and leisure contexts.

English Communication Studies is a two-year authority-registered program (that currently runs across Year 11 and 12). The program offers units of work in the core study area communication and in the focus areas of work, community and leisure.

**SEMESTER ONE**
- Me, Myself and I
- What’s Out There?/Who’s Out There?
- And Now for Something Different

**SEMESTER TWO**
- Design Project
- Sign on the Dotted Line
- Yours Sincerely

**SEMESTER THREE**
- Life in the Real World… Having Your Say
- What’s Hot and What’s Not
- Crime & Punishment

**SEMESTER FOUR**
- Relationships and Getting Along
- What Works for Me
- Stepping Out – It’s Time to Go

**Type of Assessment**

In Year 11 and 12, students will be required to complete a minimum of seven assessment tasks for each year. Students will be supported to show they can demonstrate (in a range of written, spoken/signed and multi-modal tasks):

- Make meaning from spoken/signed, written and visual texts
- Plan & produce spoken/signed, written and visual texts over a range of contexts & purposes
- Communicate ideas and information
- Work individually and as a member of a team

The scope and difficulty of assessment tasks increases from semester to semester, and as assessment is continuous it is important to put in effort throughout the whole two-year program.
RECREATION

The focus of the study of Recreation activities is to allow students to acquire knowledge, skills, abilities, attitudes and values in, about and through Recreation activities.

Recreation is a two year Authority Registered subject. The program offers four core units of work.

1. Recreation, You and the Community
2. Physical Activity and Healthy Lifestyle
3. Safety, Risk Awareness and Health Concerns
4. Interpersonal and Group Dynamics

Type of Assessment

There will be a written and practical assessment required for each specific unit of work. In Year 11, all assessment is formative. Students can therefore use Year 11 to develop their skills in both written and practical work for the summative tasks in Year 12. Students will be given opportunities in class to plan and refine assessment pieces.

For exit levels of achievement, the written and practical ratings are combined for each criteria area, giving a student a final rating in Acquire/Apply/Evaluate. Ratings from each criteria are then combined to achieve an exit level.
People interact in a variety of social, cultural, economic and environmental contexts, thus it is important for students to understand how their identities are shaped by life opportunities and influenced by factors such as culture, gender, race, class, belief systems and economic status. The Social and Community Studies subject provides students with skills needed to function efficiently and positively in current and future life roles.

Social and Community Studies is a two year authority registered program.

**SEMESTER ONE**
- ✔ Into Relationships – Goal Setting
- ✔ Today’s Society – Generation Z

**SEMESTER THREE**
- ✔ Legally, it could be you – Laws and Rights
- ✔ Science & Technology – Fuel and Energy

**SEMESTER TWO**
- ✔ Money Management – Budgeting
- ✔ Into Relationships – Conflict Resolution

**SEMESTER FOUR**
- ✔ Today’s Society – Being Australian
- ✔ Health, Recreation and Leisure – Schoolies

**Type of Assessment**
A variety of written, spoken and multi-model tasks will be completed so that students can demonstrate Knowledge & Understanding, Applying & Examining and Producing & Evaluating. The scope and difficulty of assessment tasks increases from semester to semester and as assessment is continuous, it is important to put in effort throughout the two-year program.
A nationally recognised industry training course. Two points awarded to Queensland Certificate of Education.

**Course Outline/Content**

**Description**
This qualification allows individuals to develop basic skills and knowledge to prepare for work. They may undertake a range of simple tasks under close supervision. The range of technical skills and knowledge is limited.

**Job Roles**
Job roles and titles vary across different industry sectors. This is an entry level qualification.

**Employability Skills Summary**
The following table contains a summary of the Employability Skills required by industry for this qualification. The Employability Skills facets described here are broad industry requirements that may vary depending on qualification packaging options.

<table>
<thead>
<tr>
<th>Employability Skill</th>
<th>Industry/enterprise requirements for this qualification include:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication</td>
<td>☑ Gathering, conveying and receiving verbal and written information</td>
</tr>
<tr>
<td></td>
<td>☑ Listening and understanding workplace instructions</td>
</tr>
<tr>
<td>Teamwork</td>
<td>☑ Working with colleagues and supervisors to produce workplace documents</td>
</tr>
<tr>
<td>Problem-solving</td>
<td>☑ Resolving simple maintenance issues with office equipment</td>
</tr>
<tr>
<td></td>
<td>☑ Solving routine problems related to hazards in the workplace, while under direct supervision</td>
</tr>
<tr>
<td>Initiative and enterprise</td>
<td>☑ Raising occupational health and safety issues with the occupational health and safety officer</td>
</tr>
</tbody>
</table>
Planning and organising
- ✔ Planning own work schedule to ensure tasks are completed on time

Self-management
- ✔ Behaving in ways that contribute to an effective and safe working environment
- ✔ Identifying own roles and responsibilities

Learning
- ✔ Listening to ideas and opinions of other members of the team
- ✔ Following safety procedures

Technology
- ✔ Operating a range of business equipment

Assessment Requirements
Assessment for each unit is competency based. This means that once you can demonstrate that you can complete all of the tasks required in a unit of competency, you will be given credit for that unit. Assessment will occur under a wide range of conditions.

Qualification: BSB10115 Certificate I in Business

Units of competency:
- BSBWHS201A Contribute to health and safety of self and others Core
- BSBITU101A Operate a personal computer Elective
- BSBITU201A Produce simple word processed documents Elective
- BSBSUS201A Participate in environmentally sustainable work practices Elective
- BSBCOMM101A Apply basic communication skills Elective
- SITXCOM101 Source and present information Elective

** All Vocational Educational subjects offered are subject to availability of Qualified Teaching Staff and Resources.
Applicant’s full name: ……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………