REGISTRATION FEES | 2024- 2025

TUITION FEES *

		Tuition Fees	TVA	Total
EYFS	Reception	1 100 000 DZD	99 000 DZD	1 199 000.00 DZD
Primary	Y1 - Y6	1 300 000 DZD	117 000 DZD	1 417 000.00 DZD
Secondary	Y7 - Y11	1 420 000 DZD	127 800 DZD	1 547 800.00 DZD
Secondary	Y12 - Y13	1 515 000 DZD	136 350 DZD	1 651 350.00 DZD

Tuition Fees include the cost of **all textbooks** and **workbooks** for **all years** and **all subjects**.

*Please note that the tuition fees are non-refundable.

Other Fees	Catering services (optional)	180 000.00DZD (incl.tax)
	Uniform	48 500.00DZD (incl.tax)

* 1 winter uniform (5 items), 1 summer uniform (2 items) and 1 sports uniform (3 items)

To support families who wish to register more than one child at our school, we offer 10% discount on tuition fees to the first and second child, 15% to the third one and 20% to further siblings.

SIBLING DISCOUNTS*

		AFTER 10% DISCOUNT	AFTER 15% DISCOUNT	AFTER 20% DISCOUNT
EYFS	Reception	1 079 100 DZD	1 019 150 DZD	959 200 DZD
Primary	Y1 - Y6	1 275 300 DZD	1 204 450 DZD	1 133 600 DZD
Secondary	Y7 - Y11	1 393 020 DZD	1 315 630 DZD	1 238 240 DZD
Secondary	Y12 - Y13	1 486 215 DZD	1 403 648 DZD	1 321 080 DZD

Ithemba Nursing School Registration Fee

Jicheng Xie

Ithemba Nursing School Registration Fee:

This Engaging World of E-book Books: A Detailed Guide Revealing the Advantages of E-book Books: A Realm of Ease and Versatility Kindle books, with their inherent portability and ease of access, have freed readers from the constraints of hardcopy books. Done are the days of lugging bulky novels or meticulously searching for specific titles in bookstores. E-book devices, stylish and portable, effortlessly store an extensive library of books, allowing readers to immerse in their favorite reads anytime, anywhere. Whether commuting on a bustling train, relaxing on a sunny beach, or just cozying up in bed, Kindle books provide an exceptional level of convenience. A Reading Universe Unfolded: Discovering the Wide Array of Kindle Ithemba Nursing School Registration Fee Ithemba Nursing School Registration Fee The E-book Shop, a virtual treasure trove of bookish gems, boasts an wide collection of books spanning varied genres, catering to every readers taste and preference. From gripping fiction and mind-stimulating non-fiction to classic classics and modern bestsellers, the Kindle Shop offers an unparalleled variety of titles to explore. Whether looking for escape through engrossing tales of imagination and exploration, diving into the depths of past narratives, or expanding ones knowledge with insightful works of scientific and philosophical, the E-book Shop provides a gateway to a bookish world brimming with endless possibilities. A Revolutionary Force in the Literary Landscape: The Lasting Impact of Kindle Books Ithemba Nursing School Registration Fee The advent of E-book books has certainly reshaped the bookish landscape, introducing a model shift in the way books are released, distributed, and consumed. Traditional publishing houses have embraced the online revolution, adapting their strategies to accommodate the growing demand for e-books. This has led to a surge in the availability of Kindle titles, ensuring that readers have access to a vast array of bookish works at their fingertips. Moreover, Kindle books have equalized entry to books, breaking down geographical barriers and providing readers worldwide with equal opportunities to engage with the written word. Regardless of their location or socioeconomic background, individuals can now engross themselves in the captivating world of books, fostering a global community of readers. Conclusion: Embracing the Kindle Experience Ithemba Nursing School Registration Fee Kindle books Ithemba Nursing School Registration Fee, with their inherent ease, flexibility, and wide array of titles, have unquestionably transformed the way we experience literature. They offer readers the liberty to discover the limitless realm of written expression, anytime, anywhere. As we continue to travel the ever-evolving online landscape, E-book books stand as testament to the enduring power of storytelling, ensuring that the joy of reading remains reachable to all.

Table of Contents Ithemba Nursing School Registration Fee

Ithemba Nursing School Registration Fee Introduction

Ithemba Nursing School Registration Fee Offers over 60,000 free eBooks, including many classics that are in the public domain. Open Library: Provides access to over 1 million free eBooks, including classic literature and contemporary works. Ithemba Nursing School Registration Fee Offers a vast collection of books, some of which are available for free as PDF downloads, particularly older books in the public domain. Ithemba Nursing School Registration Fee : This website hosts a vast collection of scientific articles, books, and textbooks. While it operates in a legal gray area due to copyright issues, its a

popular resource for finding various publications. Internet Archive for Ithemba Nursing School Registration Fee : Has an extensive collection of digital content, including books, articles, videos, and more. It has a massive library of free downloadable books. Free-eBooks Ithemba Nursing School Registration Fee Offers a diverse range of free eBooks across various genres. Ithemba Nursing School Registration Fee Focuses mainly on educational books, textbooks, and business books. It offers free PDF downloads for educational purposes. Ithemba Nursing School Registration Fee Provides a large selection of free eBooks in different genres, which are available for download in various formats, including PDF. Finding specific Ithemba Nursing School Registration Fee, especially related to Ithemba Nursing School Registration Fee, might be challenging as theyre often artistic creations rather than practical blueprints. However, you can explore the following steps to search for or create your own Online Searches: Look for websites, forums, or blogs dedicated to Ithemba Nursing School Registration Fee, Sometimes enthusiasts share their designs or concepts in PDF format. Books and Magazines Some Ithemba Nursing School Registration Fee books or magazines might include. Look for these in online stores or libraries. Remember that while Ithemba Nursing School Registration Fee, sharing copyrighted material without permission is not legal. Always ensure youre either creating your own or obtaining them from legitimate sources that allow sharing and downloading. Library Check if your local library offers eBook lending services. Many libraries have digital catalogs where you can borrow Ithemba Nursing School Registration Fee eBooks for free, including popular titles.Online Retailers: Websites like Amazon, Google Books, or Apple Books often sell eBooks. Sometimes, authors or publishers offer promotions or free periods for certain books.Authors Website Occasionally, authors provide excerpts or short stories for free on their websites. While this might not be the Ithemba Nursing School Registration Fee full book , it can give you a taste of the authors writing style.Subscription Services Platforms like Kindle Unlimited or Scribd offer subscription-based access to a wide range of Ithemba Nursing School Registration Fee eBooks, including some popular titles.

FAQs About Ithemba Nursing School Registration Fee Books

1. Where can I buy Ithemba Nursing School Registration Fee books? Bookstores: Physical bookstores like Barnes & Noble, Waterstones, and independent local stores. Online Retailers: Amazon, Book Depository, and various online bookstores offer a wide range of books in physical and digital formats.
2. What are the different book formats available? Hardcover: Sturdy and durable, usually more expensive. Paperback: Cheaper, lighter, and more portable than hardcovers. E-books: Digital books available for e-readers like Kindle or software like Apple Books, Kindle, and Google Play Books.

3. How do I choose a Ithemba Nursing School Registration Fee book to read? Genres: Consider the genre you enjoy (fiction, non-fiction, mystery, sci-fi, etc.). Recommendations: Ask friends, join book clubs, or explore online reviews and recommendations. Author: If you like a particular author, you might enjoy more of their work.

4. How do I take care of Ithemba Nursing School Registration Fee books? Storage: Keep them away from direct sunlight and in a dry environment. Handling: Avoid folding pages, use bookmarks, and handle them with clean hands. Cleaning: Gently dust the covers and pages occasionally.

5. Can I borrow books without buying them? Public Libraries: Local libraries offer a wide range of books for borrowing. Book Swaps: Community book exchanges or online platforms where people exchange books.

6. How can I track my reading progress or manage my book collection? Book Tracking Apps: Goodreads, LibraryThing, and Book Catalogue are popular apps for tracking your reading progress and managing book collections. Spreadsheets: You can create your own spreadsheet to track books read, ratings, and other details.

7. What are Ithemba Nursing School Registration Fee audiobooks, and where can I find them? Audiobooks: Audio recordings of books, perfect for listening while commuting or multitasking. Platforms: Audible, LibriVox, and Google Play Books offer a wide selection of audiobooks.

8. How do I support authors or the book industry? Buy Books: Purchase books from authors or independent bookstores. Reviews: Leave reviews on platforms like Goodreads or Amazon. Promotion: Share your favorite books on social media or recommend them to friends.

9. Are there book clubs or reading communities I can join? Local Clubs: Check for local book clubs in libraries or community centers. Online Communities: Platforms like Goodreads have virtual book clubs and discussion groups.

10. Can I read Ithemba Nursing School Registration Fee books for free? Public Domain Books: Many classic books are available for free as theyre in the public domain. Free E-books: Some websites offer free e-books legally, like Project Gutenberg or Open Library.

Find Ithemba Nursing School Registration Fee :

low budget way to make money with AI tools that actually works BATCH91-1779

easy method to sell AI generated art that actually works BATCH91-1776

free way to create faceless YouTube channel with AI for beginners BATCH91-2249

free way to rank website using AI SEO tools in 2026 BATCH91-737

without experience how to use AI for YouTube automation for content creators BATCH91-815

best way to start AI consulting business for small business owners BATCH91-893
without experience how to make money with AI tools without paid ads BATCH91-828
free way to offer AI services to clients for small business owners BATCH91-459
without experience how to write blog posts using AI in 2026 BATCH91-2298
easy method to use AI for local SEO step by step BATCH91-698
affordable way to use AI for small business with free tools BATCH91-1216
how to generate leads using AI for content creators BATCH91-219
easy method to use AI for ecommerce store in 2026 BATCH91-400
without experience how to make money with AI tools in the United States BATCH91-851
~~proven strategy to automate customer service with AI for content creators BATCH91-660~~

Ithemba Nursing School Registration Fee :

fetal pig dissection lab report 1735 words bartleby - Jun 05 2022
web mar 31 2016   fetal pig dissection quiz pages 1 210 words fetal pig extra credit pages 3 847 words pig dissection lab report pages 6 1539 words martyn pig
fetal pig dissection lab report david bawi october 28 - Oct 09 2022
web below is a brief survey of the internal and external anatomy of the pig for more detailed dissection instructions and information check out carolina dissection kits pigs are
disecting a fetal pig lab report 887 words bartleby - Apr 03 2022
web fetal pig lab report 926 words 4 pages dissections are performed on preserved animals donated specifically for science education in order to provide a hands on
fetal pig dissection lab sam houston state university - Mar 14 2023
web procedure access the page reading fetal pig dissection the pig may or may not be injected with dye follow the steps in the handout to view the external pig anatomy
fetal pig dissection lab biology libretexts - Oct 29 2021

fetal pig dissection carolina biological supply - Jul 06 2022
web fetal pig dissection lab report dissecting animals helps students better understand the anatomy of in this case a fetal pig and helps us prepare for what university has to
chapter 11 fetal pig dissection anatomy and - Jun 17 2023

web nov 20 2021 for this lab a fetal pig will be dissected and observed thoroughly to learn more about how pigs use their muscles and organs to function furthermore the fetal

10 2 reading fetal pig dissection biology libretexts - Feb 13 2023

web helpful to have a few male and a few female pigs dissection kit 1 per table should include scalpel scissors forceps dissection needles dissection pins dissection tray 1 per

fetal pig dissection lab report fetal pig dissection by - May 04 2022

web dec 7 2017 fetal pig lab report the fetal pig dissection was helpful for one to understand the body and all of the body s functions the procedures helped the students

fetal pig dissection theory free essay example studymoose - Mar 02 2022

web fetal pig dissection labs dr j lim objective in this exercise you will examine the organization of the many body systemsstudied this semester in the context of a single

fetal pig necropsy lab report grade 60 60 studocu - Apr 15 2023

web jul 11 2023 in this reading you will find detailed instructions on fetal pig dissection as well as many images which locate and identify different organs found in fetal pigs the

lab 19 fetal pig dissection lab 19 fetal pig - Nov 10 2022

web bi 101 pig dissection lab report by jihnez hutchinson janiya bernard shamya cain sheneia morris december 11 2019 pltw biomedical innovations purpose for this lab

pig dissection lab report pig dissection lab report tranard - Aug 19 2023

web apr 12 2019 learning objectives identify external urogenital structures of the male and female fetal pig successfully complete dissection of the fetal pig identify on your

fetal pig dissection lab lab manual for biology 2e part ii 2nd - May 16 2023

web learn how to examine the organization of the body systems studied in this semester in the context of a single specimen the fetal pig follow the directions recommendations and

fetal pig dissection lab biology ii laboratory manual - Jan 12 2023

web the assignment was to examine the fetal pig before and after skinning and to identify important muscles and anatomical features on the animal our group have to dissect the

10 1 fetal pig dissection lab biology libretexts - Jul 18 2023

web identify structures that are a part of the digestive system respiratory system circulatory system reproductive system and excretory system compare pig anatomy to human

lab 8 11 fetal pig dissection biology libretexts - Sep 20 2023

web jul 11 2023   identify structures on the pig and know their functions identify structures that are a part of the digestive system respiratory system circulatory system reproductive

fetal pig lab report 926 words internet public library - Sep 08 2022

web fetal pig lab report the fetal pig dissection was helpful for one to understand the body and all of the body s functions the procedures helped the students precisely do the

fetal pig dissection lab report essay bartleby - Feb 01 2022

web jul 11 2023   identify structures on the pig and know their functions identify structures that are a part of the digestive system respiratory system circulatory system reproductive

fetal pig dissection lab 000 fetal pig dissection labs dr - Nov 29 2021

pig dissection lab report pig dissection lab report by - Aug 07 2022

web the purpose of the experiment was to practice dissection techniques and see the various organs glands and tissues internal structures in a fetal pig with the expectation that

pig dissection lab report 801 words internet public library - Dec 31 2021

fetal pig dissection lab instructor materials preparation - Dec 11 2022

web fetal pig lab report 926 words4 pages introduction dissections are performed on preserved animals donated specifically for science education in order to provide a hands

il buio dentro arsip anna - Feb 27 2023

web lanzetta antonio la corte editore underground la corte 8 2016 lanzetta antonio 2016 il buio dentro lanzetta antonio pdf il buio dentro la corte editore underground la corte 8 2016 lanzetta antonio download option 1 perpustakaan kejadian li fork klik get di atas

il buio dentro ebook lanzetta antonio amazon it libri - Sep 05 2023

web il buio dentro formato kindle di antonio lanzetta autore formato formato kindle 4 1 286 voti visualizza tutti i formati ed edizioni formato kindle 0 00 questo e oltre 1 milione di titoli disponibili con kindle unlimited 7 99 per l acquisto copertina rigida 14 90

istanbul metro stops art underground inside out in istanbul - Mar 19 2022

web apr 14 2020   the istanbul metro system in turkey only dates back to 1989 but istanbul s had a state of the art transport system since 1875 when tünel the second ever subway in the world opened on a normal day a total of 1 600 000 people a day use the istanbul metro and rail systems this includes the metrobus and the marmaray that s a lot of people

buio dentro l eta leggendaria del writing underground a - Oct 26 2022

web buio dentro l eta leggendaria del writing underground a milano 1987 1998 ed è un libro di piazza corrado edito da shake a febbraio 2021 ean 9788897109921 puoi acquistarlo sul sito hoepli it la grande libreria online

il buio dentro underground mappe fieramilano it - Jun 02 2023

web 2 il buio dentro underground 2022 01 30 si ritrova in una città creativa smodata irregolare al centro dell europa e forse del mondo inizia così un viaggio alla scoperta di sé dei sottili meccanismi dell amore e della forza ambigua del sesso immersa in

buio dentro l età leggendaria del writing underground a milano - Jan 29 2023

web questo scrive piazza è il vero underground italiano anzi milanese si tratta di un territorio inesplorato affrontato esclusivamente in questo volume unico nel suo genere pubblicato un paio di anni fa da shake edizioni e andato subito esaurito torna oggi in libreria in una nuova edizione accresciuta

quando i graffiti erano underground il manifesto - May 01 2023

web nel complesso buio dentro e roma subway art restituiscono il ritratto di una gioventù di mezzo sfuggita per coincidenza anagrafica all avvento della rete prima e alla bulimia social dopo storie di una generazione analogica che hanno trovato riparo nel fondo di un cassetto dove sarebbero rimaste ancora a lungo se qualcuno non si fosse preso la

buio dentro l età leggendaria del writing underground a milano - Apr 19 2022

web buio dentro l età leggendaria del writing underground a milano 1987 1998 ediz illustrata è un libro di piazza corrado pubblicato da shake nella collana underground con argomento graffiti isbn 9788897109600

list of urban centers in istanbul wikipedia - Feb 15 2022

web aerial view of the istanbul metropolitan area at night the hagia sophia in fatih istanbul s historic center nişantaşı shopping district in istanbul bosphorus bridge and skyline of the istanbul central business district the list of urban centers in istanbul lists the major clusters of retail office government retail and dense residential buildings within the city

buio dentro l età leggendaria del writing underground a milano - Mar 31 2023

web buio dentro l età leggendaria del writing underground a milano 1987 1998 ediz illustrata piazza corrado amazon it libri libri arte cinema e fotografia

buio dentro l età leggendaria del writing underground a milano - Jun 21 2022

web questo libro tratta di un territorio finora inesplorato dalle altre pubblicazioni sul writing le incursioni nei tunnel della metropolitana di milano tra il 1987 e il 1998 la faccia più ruvida e indigesta del graffitismo in contesti esclusivamente illegali durante un epoca divenuta leggendaria nell hip hop italiano

buio dentro l età leggendaria del writing underground a milano - May 21 2022

web questo libro tratta di un territorio finora inesplorato dalle altre pubblicazioni sul le incursioni nei tunnel della metropolitana di milano tra il 1987 e il 1998 la faccia più ruvida e indigesta del graffitismo in contesti esclusivamente illegali durante un epoca divenuta leggendaria nell hip hop italiano

il buio dentro antonio lanzetta libro la corte editore - Jul 03 2023

web il buio dentro è un libro di antonio lanzetta pubblicato da la corte editore nella collana underground acquista su ibs a 16 06

il buio dentro anna nın arşivi - Jul 23 2022

web lanzetta antonio la corte editore underground la corte 8 2016 libri singoli formati epub mobi pdf 2019 01 aggiornamento ok singoli lanzetta antonio 2016 il buio dentro lanzetta antonio pdf extension pdf filesize 2 0 mb 1955242 b title il buio dentro author

buio dentro 1987 1998 l età leggendaria del writing underground - Aug 04 2023

web jun 4 2018 writing underground a milano 1987 1998 è un libro radicale e ortodosso che parla soltanto di pezzi e tag fatti nei tunnel e banchine della metropolitana milanese che non concede nulla alla carineria nessuna foto a colori nessun glossario da rivista patinata nessuna spiegazione solo azione interviste ai veri protagonisti e racconto in pr

il buio dentro underground 50storiesfortomorrow ilfu com - Oct 06 2023

web il buio dentro underground whispering the techniques of language an psychological journey through il buio dentro underground in a digitally driven world wherever screens reign supreme and quick connection drowns out the subtleties of language the profound strategies and mental nuances concealed within words frequently move unheard

il buio dentro lanzetta antonio la corte editore underground - Dec 28 2022

web il buio dentro libro di antonio lanzetta spedizione gratuita per ordini superiori a 25 euro acquistalo su libreriauniversitaria it pubblicato da la corte editore collana underground rilegato ottobre 2016 9788896325858

buio dentro l età leggendaria del writing underground a milano - Nov 26 2022

web buio dentro l età leggendaria del writing underground a milano 1987 1998 ediz illustrata è un libro di corrado piazza pubblicato da shake nella collana underground acquista su ibs a 18 90

buio dentro l età leggendaria del writing underground a milano - Aug 24 2022

web buio dentro l età leggendaria del writing underground a milano 1987 1998 ediz illustrata è un libro scritto da corrado piazza pubblicato da shake nella collana underground libraccio it

buio dentro l età leggendaria del writing underground a milano - Sep 24 2022

web buio dentro l età leggendaria del writing underground a milano 1987 1998 ediz illustrata è un libro di corrado piazza pubblicato da shake nella collana underground acquista su ibs a 20 00

project a sketch to quickly add design details alias products - Oct 29 2022

web sketch and paint a design concept create the 2d curves that define your design in this example we have created curves in the top view that are symmetric across the center line of the phone now use the alias shapes and brush tools to create an early design concept

alias 2022 help alias foundation tutorials autodesk - Sep 27 2022

web alias foundation tutorials video and hands on training for new alias users download the data files for the tutorials install the data files watch the essential skills videos watch the videos listed on this page follow along in alias with the downloaded data files practice by doing the skill builder exercises and project

alias sketch for autocad youtube - Mar 02 2023

web take advantage of alias sketch functionality directly in autocad autodesk alias sketch software adds integrated illustration painting and image manipula

alias sketch tutorial youtube - Feb 18 2022

web jun 16 2014   this is a copy of the alias sketch v1 1 5 promotion and tutorial vhs this video was provided with the 3d software alias sketch from alias research sketch was a versatile 3d

autodesk alias youtube - Jul 06 2023

web autodesk alias welcome to the autodesk alias channel alias is our flagship conceptual design software for sketching concept modeling class a surfacing and visualization

sketchbook sketchbook software discontinued autodesk - Jun 24 2022

web as of june 30 2021 autodesk is discontinuing sketchbook we will no longer offer downloads for sketchbook or deliver new versions or updates sketchbook is now offered by sketchbook inc details are available at sketchbook com

autodesk alias 2024 2023 features autodesk - May 04 2023

web autodesk alias is an industrial design software that supports surface modeling concept design surface analysis and visualization see all alias features contact sales at 1 844 335 4986

alias software get prices buy alias 2024 autodesk uk - Apr 03 2023

web use alias product design software for sketching concept modelling and visualisation buy an alias subscription from the official autodesk store or a reseller autodesk alias create high quality desirable products

alias sketch for autocad image manipulation youtube - Jun 05 2023

web check out the new alias sketch for autocad now available see how you sketch on top of your 3d autocad layouts to explore your designs and communicate your i

alias 2023 help autodesk - Dec 31 2022

web alias what s new what s new in alias 2023 what s new in previous releases alias release notes getting started interface and general tasks subdivision modeling nurbs modeling sketching rendering animation importing and exporting data cross product workflows managing data in autodesk vault create vr alias vr tool

sketching in create vr for alias autodesk theme staging site - Aug 27 2022

web jan 19 2021 sketching in create vr for alias lena le january 19 2021 4 min read over the last few months we ve shared what autodesk create vr for alias offers designers and 3d modelers an immersive virtual environment that can speed the transformation from 2d concept to 3d model

alias sketch first look at 2011 design motion - Apr 22 2022

web jun 28 2010 alias sketch separates itself from any traditional sketching applications in the way it applies and manipulates vectored geometries the concept of paint and vector layer contexts is an innovative method to determine how content is manipulated in the sketch document

alias sketch autocad photo manip youtube - May 24 2022

web check out the new alias sketch for autocad technology preview see how you can do your image manipulation right inside of autocad to explore your designs an check out the new alias

free alias learning edition autodesk - Sep 08 2023

web reduce working in silos and power up your designs with alias use one single source from sketching all the way through production surfacing collaborate seamlessly across different workflows and personas and design while fully immersed in vr with create vr for alias

alias 2023 help fundamentals video tutorials autodesk - Jul 26 2022

web install the data files watch the essential skills videos watch the videos listed on this page follow along in alias with the downloaded data files practice by doing the skill builder exercises and project if you re a beginner start with f1 and work through the fundamentals videos in order then proceed to the workflow videos

autodesk new alias sketch sink sketch youtube - Nov 29 2022

web check out the new alias sketch now available digital sketching and illustration like you ve never seen before check it out bit ly ddiqku

set up alias for sketching autodesk knowledge network - Aug 07 2023

web set up alias for sketching choose preferences workflows paint or select paint mode when launching alias to automatically show only sketching related menus tools and shelves show the paint panel turn off all view grids create new canvases with a transparent background in a special paint window turn on sketching specific marking

alias software get prices buy alias 2024 autodesk uk - Feb 01 2023

web use alias product design software for sketching concept modelling and visualisation buy an alias subscription from the official autodesk store or a reseller

alias sketch alias research free download borrow and - Mar 22 2022

web aug 26 2017   english this is a copy of the alias sketch v1 1 5 promotion and tutorial vhs this video was provided with the 3d software alias sketch from alias research sketch was a versatile 3d modeling and rendering package for the macintosh this video was published in 1992

autodesk alias software get prices buy official alias 2024 - Oct 09 2023

web autodesk alias is used to design innovative products and communicate ideas in a visual medium from 2d sketch to 3d form from conceptual models to production level data who uses alias alias is used by industrial designers automotive designers creative design professionals digital sculptors and production surface modelers