



# TIDALDATA DIGITAL EXPLORIUMS: REJUVENATING EDUCATION



- Rich digital media
- Long term archive
- Referenceable catalog
- Auto Content Update
- Searchable Repository
- Digital Library
- Collaboration Tools
- NVD Jukebox
- Student & Teacher tools
- Campus wide storage
- Digital Explorium

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Schools worldwide have realized that a significant portion of teaching is promoting **inquiry** based learning. To develop complete and balanced usage of the brain it is important for students to be encouraged into posing questions, be receptive to varied answers, filter the ones that matter and discard the answers that don't. This is a skill set that needs to be used from the very beginning and needs to be fine tuned as the student grows through the formative years of his/her education.



As the world becomes smaller in the virtual sense and intensely networked, as digital age sets in, as devices take charge of our lives, as we see events real time, we encounter information overload

**The question to be asked is how do we make our children masters of knowledge rather than slaves of information?**



Suddenly, both the child and the teacher are faced with the overwhelming situation where the conventional class room pales in comparison to the virtual class room they encounter in this digital age, where books fight with computers, where teachers fight with portals and where children are torn between being taught by teachers and learning on their own and struggle to figure out if learning together or learning in isolation is the way ahead.

**Is the magic of teacher-child relationship, the purity of home & school co-existence, and the common sense of learning together at peril?**

A pivotal moment in our history is the emergence of digital teaching methods in classrooms which attempt to bring the power of digital way of teaching to aid our teachers. It abrogates books and uniformly addresses all students irrespective of their individual capabilities.



**Is templated teaching going to conquer explorative learning?** As modern technology unveils its prowess across the spectrum,

**We ask, is there a way to unlock the good side of technology to build a better school?**

A critical review of modern school systems with digital education infrastructure has yielded some curious observations:

- Schools invest significant amount of money in providing facilities for its students but in return there is neither ownership nor acknowledgement
- Content providers own content, service providers own infrastructure and teaching solutions own the classrooms
- Marginalization of teachers has disturbed the balance between students and teachers leading to learning disharmony



This has some rather serious consequences:

- Students with different abilities are often reduced to the lowest common denominator in terms of absorption, honing abilities and setting goals for themselves
- Schools are sidelined and do not have any stake in either digital education or intellectual property generation
- Repetitive or reinforced learning which is required for students to excel and achieve higher levels of skill, competence and confidence is absent
- Exposure to newer techniques of learning is completely absent
- Schools are locked out from making effective use of the internet which is a premium supplier of millions of learning objects developed by teachers, foundations, institutes and pillars of learning from across the world



How do we protect the basic core of learning, the power to ask questions, the ability to seek answers, the passion to explore, the pursuit of discovery and achieving fulfillment of having found the right answer in a way one understands. How do we make Inquiry based learning into a colossus that cares not for religion, caste, geography, creed or sex and instead merely cares about the power of the mind to unlock the secrets of the universe?

How do we create a digital learning eco system across schools, homes and communities that:

- supplement teachers and not supplant them
- make teachers more relevant than projectors
- lets one ask questions
- lets you seek answers
- allows children to learn the way they understand
- provides joy of learning
- make schools more relevant than screens
- makes the brain more meaningful than the button
- makes the click of the mind more magical than a click of the mouse



**THE SOLUTION TO THE DEFICIENCIES IN THE MODERN SYSTEM IS OBVIOUS: LET OUR CHILDREN BE CREATORS AND NOT CONSUMERS, LEADERS AND NOT FOLLOWERS, BECOME VISIONARIES AND NOT MERELY HAVE A VISION**

TidalData is a premier content storage manufacturer and is a charter member of the worldwide Open Content community delivering Digital Exploriums™. Exploriums™ are changing the way a child interacts with the teacher, improving teachers skills and empowering the school to collect, foster and invent digital content

The Explorium™ is a Performance Engaged Learning Library (PELL) which is a state of the art digital library with collaboration facilities built in. It comes pre-loaded with more than 150000 digital objects including flipbooks, slideshows, concept maps, cartographs, videos, animations, workbooks, images, quizzes, puzzles, etc.

It empowers teachers, involves parents, inspires students, nurtures school's ownership of information and integrates all stakeholders.

The power of open learning is brought directly into schools with access to quality resources, permission to modify them and the luxury of being tapped into a never ending worldwide content generation program. Imagine if you will the Internet in your box without the inherent risks associated and that is what the Explorium™ is all about. It brings you the best of the

internet without compromising on security, quality, safeguards and usability for students, teachers and the administration.

## THE EXPLORIUM™ IS THE PREMIER DIGITAL INFRASTRUCTURE FOR SCHOOLS BECAUSE IT IS

**1. User centric:** It can store more than a billion objects including any kind of digital content. Teachers, students, school management and even parents can use it. It can even store school data like financial information, accounting records, important documents, etc. The content stored is independent of different languages and different formats.



**2. Intelligence Objects:** The Explorium™ provides many state of the art objects which can be added by the teachers themselves like flipbooks, slideshows, visual filters, notes, etc which allow popular teaching paradigms from across the world to be used in the confines of every school.

**3. OpenContent:** Digital content contributed under the creative commons licenses for reuse and republish will be packed into the appliance. This ensures that global standard resources are available as a best of breed from different continents and more than 170 organizations. These are resources that your teachers can modify and reuse for your school

**4. Inquiry Learning Skills:** It is specifically designed keeping inquiry learning methodologies in mind. Search and retrieve, visual filtering, image assembly, etc are part of the process of discovery as students investigate the Exploriums™ secrets.

**5. Universally deployable:** The device is low maintenance and can be used in remote areas also. It can be accessed on WiFi, Wired or even fiber optic networks. It has a web interface making it usable with no extra software. It is also accessible on tablets and classroom PC's with sufficient resolution. It can connect to smart boards too!

**6. Lowest infrastructure cost:** The Explorium™ is a powerful digital library that can be accessed by as many as 3000 users. It means that there is neither per classroom costing nor recurring expenses.

**7. Create priceless memories:** When the child graduates from the school, ensure that he/she leaves with all the digital works ever created by the student during their tenure at school.

**8. Content Updates:** A standard AMC will ensure that your content is updated every six months

IF YOU WANT TO KNOW MORE ABOUT EXPLORIUMS AND HOW THEY CAN  
UNEARTH THE DIAMOND IN THE ROUGH, BRING OUT THE BEST IN ALL OF  
YOUR STUDENTS AND PROPEL YOUR SCHOOL INTO THE GLOBAL LEARNING  
EXCHANGE, CONTACT US



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